IJSPRING



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- Compression spring
- Tension spring
- Torsion spring
- Die spring
- Disc spring
- Wave spring
- High-temperature Alloy

Standard Component Selection
Custom Non-Standard Fabrication

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WBM 16×11.3×2.3×1	16	11.3	2.3	1.6	44.5	61.8	Lap	1	3	2.0	0.3	Carbon
WBS 16×11.3×2.3×1	16	11.3	2.3	1.6	44.5	61.8	Lap	1	3	2.0	0.3	Stainless
WBM 19×14.3×3.1×1	19	14.3	3.1	1.6	53.4	36.1	Lap	1	3	2.0	0.3	Carbon
WBS 19×14.3×3.1×1	19	14.3	3.1	1.6	53.4	36.1	Lap	1	3	2.0	0.3	Stainless
WBM 22×16.5×2.8×1	22	16.5	2.8	1.6	62.3	51.1	Lap	1	3	2.4	0.3	Carbon
WBS 22×16.5×2.8×1	22	16.5	2.8	1.6	62.3	51.1	Lap	1	3	2.4	0.3	Stainless
WBM 24×18.5×3.6×1	24	18.5	3.6	1.6	66.7	33.5	Lap	1	3	2.4	0.3	Carbon
WBS 24×18.5×3.6×1	24	18.5	3.6	1.6	66.7	33.5	Lap	1	3	2.4	0.3	Stainless
WBM 26×18.2×2.5×1	26	18.2	2.5	2.0	71.2	127.1	Lap	1	3	3.4	0.4	Carbon
WBS 26×18.2×2.5×1	26	18.2	2.5	2.0	71.2	127.1	Lap	1	3	3.4	0.4	Stainless
WBM 28×20.2×2.8×1	28	20.2	2.8	2.0	75.6	93.3	Lap	1	3	3.4	0.4	Carbon
WBS 28×20.2×2.8×1	28	20.2	2.8	2.0	75.6	93.3	Lap	1	3	3.4	0.4	Stainless
WBM 30×22.2×3.3×1	30	22.2	3.3	2.0	84.5	64.0	Lap	1	3	3.4	0.4	Carbon
WBS 30×22.2×3.3×1	30	22.2	3.3	2.0	84.5	64.0	Lap	1	3	3.4	0.4	Stainless
WBM 32×24.2×3.8×1	32	24.2	3.8	2.0	89.0	48.6	Lap	1	3	3.4	0.4	Carbon
WBS 32×24.2×3.8×1	32	24.2	3.8	2.0	89.0	48.6	Lap	1	3	3.4	0.4	Stainless
WBM 35×27.2×4.6×1	35	27.2	4.6	2.0	97.9	37.8	Lap	1	3	3.4	0.4	Carbon
WBS 35×27.2×4.6×1	35	27.2	4.6	2.0	97.9	37.8	Lap	1	3	3.4	0.4	Stainless
WBM 37×28.7×3.8×1	37	28.7	3.8	2.0	102.3	55.9	Lap	1	3	3.6	0.5	Carbon
WBS 37×28.7×3.8×1	37	28.7	3.8	2.0	102.3	55.9	Lap	1	3	3.6	0.5	Stainless
WBM 40×31.7×5.1×1	40	31.7	5.1	2.0	111.2	35.9	Lap	1	3	3.6	0.5	Carbon
WBS 40×31.7×5.1×1	40	31.7	5.1	2.0	111.2	35.9	Lap	1	3	3.6	0.5	Stainless
WBM 42×33.7×3.1×1	42	33.7	3.1	2.0	115.7	108.1	Lap	1	4	3.6	0.5	Carbon
WBS 42×33.7×3.1×1	42	33.7	3.1	2.0	115.7	108.1	Lap	1	4	3.6	0.5	Stainless
WBM 47×38.7×3.8×1	47	38.7	3.8	2.0	129.0	70.5	Lap	1	4	3.6	0.5	Carbon
WBS 47×38.7×3.8×1	47	38.7	3.8	2.0	129.0	70.5	Lap	1	4	3.6	0.5	Stainless
WBM 52×43.1×3.6×1	52	43.1	3.6	2.4	142.4	118.7	Lap	1	4	3.8	0.6	Carbon
WBS 52×43.1×3.6×1	52	43.1	3.6	2.4	142.4	118.7	Lap	1	4	3.8	0.6	Stainless
WBM 55×46.1×3.8×1	55	46.1	3.8	2.4	151.3	104.3	Lap	1	4	3.8	0.6	Carbon
WBS 55×46.1×3.8×1	55	46.1	3.8	2.4	151.3	104.3	Lap	1	4	3.8	0.6	Stainless
WBM 62×51.7×4.3×1	62	51.7	4.3	2.4	169.1	86.3	Lap	1	4	4.5	0.6	Carbon
WBS 62×51.7×4.3×1	62	51.7	4.3	2.4	169.1	86.3	Lap	1	4	4.5	0.6	Stainless
WBM 68×57.2×4.3×1	68	57.2	4.3	2.8	186.9	120.6	Lap	1	4	4.8	0.8	Carbon
WBS 68×57.2×4.3×1	68	57.2	4.3	2.8	186.9	120.6	Lap	1	4	4.8	0.8	Stainless
WBM 70×59.2×4.3×1	70	59.2	4.3	2.8	191.3	123.4	Lap	1	4	4.8	0.8	Carbon
WBS 70×59.2×4.3×1	70	59.2	4.3	2.8	191.3	123.4	Lap	1	4	4.8	0.8	Stainless
WBM 72×61.2×4.6×1	72	61.2	4.6	2.8	195.8	108.8	Lap	1	4	4.8	0.8	Carbon
WBS 72×61.2×4.6×1	72	61.2	4.6	2.8	195.8	108.8	Lap	1	4	4.8	0.8	Stainless
WBM 75×64.2×5.1×1	75	64.2	5.1	2.8	204.7	88.6	Lap	1	4	4.8	0.8	Carbon

OD:Outer Diameter, < Hole
ID:Inner Diameter, > Road
Load = Rate X Deflection
Material:Carbon Steel
/SUS 302/SUS304
/SUS631/17-7PH

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WBS 75×64.2×5.1×1	75	64.2	5.1	2.8	204.7	88.6	Lap	1	4	4.8	0.8	Stainless
WBM 80×68.7×5.6×1	80	68.7	5.6	2.8	218.0	77.3	Lap	1	4	4.8	0.8	Carbon
WBS 80×68.7×5.6×1	80	68.7	5.6	2.8	218.0	77.3	Lap	1	4	4.8	0.8	Stainless
WBM 85×71.4×5.6×1	85	71.4	5.6	2.8	231.4	82.1	Lap	1	4	5.9	0.8	Carbon
WBS 85×71.4×5.6×1	85	71.4	5.6	2.8	231.4	82.1	Lap	1	4	5.9	0.8	Stainless
WBM 90×76.4×6.4×1	90	76.4	6.4	2.8	249.2	69.6	Lap	1	4	5.9	0.8	Carbon
WBS 90×76.4×6.4×1	90	76.4	6.4	2.8	249.2	69.6	Lap	1	4	5.9	0.8	Stainless
WBM 95×81.4×7.4×1	95	81.4	7.4	2.8	262.5	57.1	Lap	1	4	5.9	0.8	Carbon
WBS 95×81.4×7.4×1	95	81.4	7.4	2.8	262.5	57.1	Lap	1	4	5.9	0.8	Stainless
WKM 100×86.4×4.6×1	100	86.4	4.6	2.8	275.9	153.3	Open	1	5	5.9	0.8	Carbon
WKS 100×86.4×4.6×1	100	86.4	4.6	2.8	275.9	153.3	Open	1	5	5.9	0.8	Stainless
WKM 105×91.4×5.1×1	105	91.4	5.1	2.8	289.2	125.2	Open	1	5	5.9	0.8	Carbon
WKS 105×91.4×5.1×1	105	91.4	5.1	2.8	289.2	125.2	Open	1	5	5.9	0.8	Stainless
WKM 110×96.4×5.3×1	110	96.4	5.3	2.8	302.6	118.2	Open	1	5	5.9	0.8	Carbon
WKS 110×96.4×5.3×1	110	96.4	5.3	2.8	302.6	118.2	Open	1	5	5.9	0.8	Stainless
WKM 115×101.4×6.4×1	115	101.4	6.4	3.2	315.9	99.7	Open	1	5	5.9	0.8	Carbon
WKS 115×101.4×6.4×1	115	101.4	6.4	3.2	315.9	99.7	Open	1	5	5.9	0.8	Stainless
WKM 120×106.4×7.1×1	120	106.4	7.1	3.2	329.3	83.8	Open	1	5	5.9	0.8	Carbon
WKS 120×106.4×7.1×1	120	106.4	7.1	3.2	329.3	83.8	Open	1	5	5.9	0.8	Stainless
WKM 125×111.4×7.6×1	125	111.4	7.6	3.2	342.6	77.2	Open	1	5	5.9	0.8	Carbon
WKS 125×111.4×7.6×1	125	111.4	7.6	3.2	342.6	77.2	Open	1	5	5.9	0.8	Stainless
WKM 130×116.4×8.6×1	130	116.4	8.6	3.2	356.0	65.2	Open	1	5	5.9	0.8	Carbon
WKS 130×116.4×8.6×1	130	116.4	8.6	3.2	356.0	65.2	Open	1	5	5.9	0.8	Stainless
WKM 135×121.4×9.4×1	135	121.4	9.4	3.2	369.3	59.4	Open	1	5	5.9	0.8	Carbon
WKS 135×121.4×9.4×1	135	121.4	9.4	3.2	369.3	59.4	Open	1	5	5.9	0.8	Stainless
WKM 140×126.4×6.9×1	140	126.4	6.9	3.2	382.7	104.0	Open	1	6	5.9	0.8	Carbon
WKS 140×126.4×6.9×1	140	126.4	6.9	3.2	382.7	104.0	Open	1	6	5.9	0.8	Stainless
WKM 145×131.4×7.4×1	145	131.4	7.4	3.2	396.0	94.5	Open	1	6	5.9	0.8	Carbon
WKS 145×131.4×7.4×1	145	131.4	7.4	3.2	396.0	94.5	Open	1	6	5.9	0.8	Stainless
WKM 150×136.4×7.9×1	150	136.4	7.9	3.2	404.9	86.3	Open	1	6	5.9	0.8	Carbon
WKS 150×136.4×7.9×1	150	136.4	7.9	3.2	404.9	86.3	Open	1	6	5.9	0.8	Stainless
WKM 160×146.4×9.4×1	160	146.4	9.4	3.2	440.5	70.8	Open	1	6	5.9	0.8	Carbon
WKS 160×146.4×9.4×1	160	146.4	9.4	3.2	440.5	70.8	Open	1	6	5.9	0.8	Stainless
WKM 165×151.4×10.4×1	165	151.4	10.4	3.2	453.9	62.8	Open	1	6	5.9	0.8	Carbon
WKS 165×151.4×10.4×1	165	151.4	10.4	3.2	453.9	62.8	Open	1	6	5.9	0.8	Stainless
WKM 170×156.4×11.2×1	170	156.4	11.2	3.2	467.2	58.4	Open	1	6	5.9	0.8	Carbon
WKS 170×156.4×11.2×1	170	156.4	11.2	3.2	467.2	58.4	Open	1	6	5.9	0.8	Stainless
WKM 175×154.2×8.1×1	175	154.2	8.1	4.0	480.6	115.3	Open	1	6	9.5	0.8	Carbon
WKS 175×154.2×8.1×1	175	154.2	8.1	4.0	480.6	115.3	Open	1	6	9.5	0.8	Stainless

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WKM 180×159.2×8.6×1	180	159.2	8.6	4.0	493.9	105.5	Open	1	6	9.5	0.8	Carbon
WKS 180×159.2×8.6×1	180	159.2	8.6	4.0	493.9	105.5	Open	1	6	9.5	0.8	Stainless
WKM 185×164.2×9.1×1	185	164.2	9.1	4.0	507.3	97.9	Open	1	6	9.5	0.8	Carbon
WKS 185×164.2×9.1×1	185	164.2	9.1	4.0	507.3	97.9	Open	1	6	9.5	0.8	Stainless
WKM 190×169.2×9.9×1	190	169.2	9.9	4.0	520.6	87.5	Open	1	6	9.5	0.8	Carbon
WKS 190×169.2×9.9×1	190	169.2	9.9	4.0	520.6	87.5	Open	1	6	9.5	0.8	Stainless
WKM 200×179.2×7.1×1	200	179.2	7.1	4.0	547.3	173.8	Open	1	7	9.5	0.8	Carbon
WKS 200×179.2×7.1×1	200	179.2	7.1	4.0	547.3	173.8	Open	1	7	9.5	0.8	Stainless
WKM 205×184.2×7.4×1	205	184.2	7.4	4.0	560.7	164.4	Open	1	7	9.5	0.8	Carbon
WKS 205×184.2×7.4×1	205	184.2	7.4	4.0	560.7	164.4	Open	1	7	9.5	0.8	Stainless
WKM 210×189.2×7.9×1	210	189.2	7.9	4.0	578.5	148.0	Open	1	7	9.5	0.8	Carbon
WKS 210×189.2×7.9×1	210	189.2	7.9	4.0	578.5	148.0	Open	1	7	9.5	0.8	Stainless
WKM 215×194.2×8.4×1	215	194.2	8.4	4.0	591.8	133.9	Open	1	7	9.5	0.8	Carbon
WKS 215×194.2×8.4×1	215	194.2	8.4	4.0	591.8	133.9	Open	1	7	9.5	0.8	Stainless
WKM 220×199.2×8.6×1	220	199.2	8.6	4.0	605.2	129.3	Open	1	7	9.5	0.8	Carbon
WKS 220×199.2×8.6×1	220	199.2	8.6	4.0	605.2	129.3	Open	1	7	9.5	0.8	Stainless
WKM 225×204.2×7.1×1	225	204.2	7.1	4.0	618.5	196.4	Open	1	8	9.5	0.8	Carbon
WKS 225×204.2×7.1×1	225	204.2	7.1	4.0	618.5	196.4	Open	1	8	9.5	0.8	Stainless
WKM 230×209.2×6.1×1	230	209.2	6.1	4.0	631.9	295.3	Open	1	9	9.5	0.8	Carbon
WKS 230×209.2×6.1×1	230	209.2	6.1	4.0	631.9	295.3	Open	1	9	9.5	0.8	Stainless
WKM 235×214.2×6.4×1	235	214.2	6.4	4.0	645.2	270.0	Open	1	9	9.5	0.8	Carbon
WKS 235×214.2×6.4×1	235	214.2	6.4	4.0	645.2	270.0	Open	1	9	9.5	0.8	Stainless
WKM 240×219.2×6.4×1	240	219.2	6.4	4.0	658.6	275.6	Open	1	9	9.5	0.8	Carbon
WKS 240×219.2×6.4×1	240	219.2	6.4	4.0	658.6	275.6	Open	1	9	9.5	0.8	Stainless
WKM 250×229.2×6.9×1	250	229.2	6.9	4.0	685.3	236.3	Open	1	9	9.5	0.8	Carbon
WKS 250×229.2×6.9×1	250	229.2	6.9	4.0	685.3	236.3	Open	1	9	9.5	0.8	Stainless
WKM 260×239.2×7.4×1	260	239.2	7.4	4.0	712.0	208.8	Open	1	9	9.5	0.8	Carbon
WKS 260×239.2×7.4×1	260	239.2	7.4	4.0	712.0	208.8	Open	1	9	9.5	0.8	Stainless
WKM 265×244.2×7.6×1	265	244.2	7.6	4.0	725.3	198.2	Open	1	9	9.5	0.8	Carbon
WKS 265×244.2×7.6×1	265	244.2	7.6	4.0	725.3	198.2	Open	1	9	9.5	0.8	Stainless
WKM 270×249.2×8.1×1	270	249.2	8.1	4.0	743.1	178.2	Open	1	9	9.5	0.8	Carbon
WKS 270×249.2×8.1×1	270	249.2	8.1	4.0	743.1	178.2	Open	1	9	9.5	0.8	Stainless
WKM 280×259.2×8.6×1	280	259.2	8.6	4.0	769.8	164.5	Open	1	9	9.5	0.8	Carbon
WKS 280×259.2×8.6×1	280	259.2	8.6	4.0	769.8	164.5	Open	1	9	9.5	0.8	Stainless
WKM 290×269.2×9.4×1	290	269.2	9.4	4.0	796.5	146.4	Open	1	9	9.5	0.8	Carbon
WKS 290×269.2×9.4×1	290	269.2	9.4	4.0	796.5	146.4	Open	1	9	9.5	0.8	Stainless
WKM 300×279.2×10.4×1	300	279.2	10.4	4.0	823.2	127.6	Open	1	9	9.5	0.8	Carbon
WKS 300×279.2×10.4×1	300	279.2	10.4	4.0	823.2	127.6	Open	1	9	9.5	0.8	Stainless
WWM 6×4×1.5×3	6	4.0	1.5	0.6	6.0	6.6	Wave	3	2.5	0.5	0.1	Carbon

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WWS 6×4×1.5×3	6	4.0	1.5	0.6	6.0	6.6	Wave	3	2.5	0.5	0.1	Stainless
WWM 6×4×2×4	6	4.0	2.0	0.8	6.0	4.9	Wave	4	2.5	0.5	0.1	Carbon
WWS 6×4×2×4	6	4.0	2.0	0.8	6.0	4.9	Wave	4	2.5	0.5	0.1	Stainless
WWM 6×4×2.5×5	6	4.0	2.5	1.0	6.0	4.0	Wave	5	2.5	0.5	0.1	Carbon
WWS 6×4×2.5×5	6	4.0	2.5	1.0	6.0	4.0	Wave	5	2.5	0.5	0.1	Stainless
WWM 6×4×3.1×6	6	4.0	3.1	1.2	6.0	3.3	Wave	6	2.5	0.5	0.1	Carbon
WWS 6×4×3.1×6	6	4.0	3.1	1.2	6.0	3.3	Wave	6	2.5	0.5	0.1	Stainless
WWM 6×4×3.6×7	6	4.0	3.6	1.4	6.0	2.8	Wave	7	2.5	0.5	0.1	Carbon
WWS 6×4×3.6×7	6	4.0	3.6	1.4	6.0	2.8	Wave	7	2.5	0.5	0.1	Stainless
WWM 6×4×4.1×8	6	4.0	4.1	1.6	6.0	2.5	Wave	8	2.5	0.5	0.1	Carbon
WWS 6×4×4.1×8	6	4.0	4.1	1.6	6.0	2.5	Wave	8	2.5	0.5	0.1	Stainless
WWM 6×4×4.6×9	6	4.0	4.6	1.8	6.0	2.2	Wave	9	2.5	0.5	0.1	Carbon
WWS 6×4×4.6×9	6	4.0	4.6	1.8	6.0	2.2	Wave	9	2.5	0.5	0.1	Stainless
WWM 6×4×5.6×11	6	4.0	5.6	2.2	6.0	1.8	Wave	11	2.5	0.5	0.1	Carbon
WWS 6×4×5.6×11	6	4.0	5.6	2.2	6.0	1.8	Wave	11	2.5	0.5	0.1	Stainless
WWM 6×4×6.6×13	6	4.0	6.6	2.6	6.0	1.5	Wave	13	2.5	0.5	0.1	Carbon
WWS 6×4×6.6×13	6	4.0	6.6	2.6	6.0	1.5	Wave	13	2.5	0.5	0.1	Stainless
WWM 6×4×1.5×3	6	4.0	1.5	0.7	12.0	15.4	Wave	3	2.5	0.6	0.2	Carbon
WWS 6×4×1.5×3	6	4.0	1.5	0.7	12.0	15.4	Wave	3	2.5	0.6	0.2	Stainless
WWM 6×4×2×4	6	4.0	2.0	1.0	12.0	11.3	Wave	4	2.5	0.6	0.2	Carbon
WWS 6×4×2×4	6	4.0	2.0	1.0	12.0	11.3	Wave	4	2.5	0.6	0.2	Stainless
WWM 6×4×2.5×5	6	4.0	2.5	1.2	12.0	9.1	Wave	5	2.5	0.6	0.2	Carbon
WWS 6×4×2.5×5	6	4.0	2.5	1.2	12.0	9.1	Wave	5	2.5	0.6	0.2	Stainless
WWM 6×4×3.1×6	6	4.0	3.1	1.5	12.0	7.6	Wave	6	2.5	0.6	0.2	Carbon
WWS 6×4×3.1×6	6	4.0	3.1	1.5	12.0	7.6	Wave	6	2.5	0.6	0.2	Stainless
WWM 6×4×3.6×7	6	4.0	3.6	1.7	12.0	6.5	Wave	7	2.5	0.6	0.2	Carbon
WWS 6×4×3.6×7	6	4.0	3.6	1.7	12.0	6.5	Wave	7	2.5	0.6	0.2	Stainless
WWM 6×4×4.1×8	6	4.0	4.1	2.0	12.0	5.7	Wave	8	2.5	0.6	0.2	Carbon
WWS 6×4×4.1×8	6	4.0	4.1	2.0	12.0	5.7	Wave	8	2.5	0.6	0.2	Stainless
WWM 6×4×4.6×9	6	4.0	4.6	2.2	12.0	5.0	Wave	9	2.5	0.6	0.2	Carbon
WWS 6×4×4.6×9	6	4.0	4.6	2.2	12.0	5.0	Wave	9	2.5	0.6	0.2	Stainless
WWM 6×4×5.6×11	6	4.0	5.6	2.7	12.0	4.1	Wave	11	2.5	0.6	0.2	Carbon
WWS 6×4×5.6×11	6	4.0	5.6	2.7	12.0	4.1	Wave	11	2.5	0.6	0.2	Stainless
WWM 6×4×6.6×13	6	4.0	6.6	3.2	12.0	3.5	Wave	13	2.5	0.6	0.2	Carbon
WWS 6×4×6.6×13	6	4.0	6.6	3.2	12.0	3.5	Wave	13	2.5	0.6	0.2	Stainless
WWM 8×5×2.8×3	8	5.0	2.8	1.7	15.0	13.4	Wave	3	2.5	0.8	0.2	Carbon
WWS 8×5×2.8×3	8	5.0	2.8	1.7	15.0	13.4	Wave	3	2.5	0.8	0.2	Stainless
WWM 8×5×3.8×4	8	5.0	3.8	2.4	15.0	11.0	Wave	4	2.5	0.8	0.2	Carbon
WWS 8×5×3.8×4	8	5.0	3.8	2.4	15.0	11.0	Wave	4	2.5	0.8	0.2	Stainless

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/SUS 302/SUS304
/SUS631/17-7PH



SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 8×5×4.7×5	8	5.0	4.7	2.7	15.0	7.7	Wave	5	2.5	0.8	0.2	Carbon
WWS 8×5×4.7×5	8	5.0	4.7	2.7	15.0	7.7	Wave	5	2.5	0.8	0.2	Stainless
WWM 8×5×5.6×6	8	5.0	5.6	3.6	15.0	7.2	Wave	6	2.5	0.8	0.2	Carbon
WWS 8×5×5.6×6	8	5.0	5.6	3.6	15.0	7.2	Wave	6	2.5	0.8	0.2	Stainless
WWM 8×5×6.6×7	8	5.0	6.6	4.0	15.0	5.8	Wave	7	2.5	0.8	0.2	Carbon
WWS 8×5×6.6×7	8	5.0	6.6	4.0	15.0	5.8	Wave	7	2.5	0.8	0.2	Stainless
WWM 8×5×7.5×8	8	5.0	7.5	4.6	15.0	5.1	Wave	8	2.5	0.8	0.2	Carbon
WWS 8×5×7.5×8	8	5.0	7.5	4.6	15.0	5.1	Wave	8	2.5	0.8	0.2	Stainless
WWM 8×5×8.5×9	8	5.0	8.5	5.3	15.0	4.7	Wave	9	2.5	0.8	0.2	Carbon
WWS 8×5×8.5×9	8	5.0	8.5	5.3	15.0	4.7	Wave	9	2.5	0.8	0.2	Stainless
WWM 8×5×10.3×11	8	5.0	10.3	6.4	15.0	3.8	Wave	11	2.5	0.8	0.2	Carbon
WWS 8×5×10.3×11	8	5.0	10.3	6.4	15.0	3.8	Wave	11	2.5	0.8	0.2	Stainless
WWM 8×5×12.2×13	8	5.0	12.2	7.4	15.0	3.1	Wave	13	2.5	0.8	0.2	Carbon
WWS 8×5×12.2×13	8	5.0	12.2	7.4	15.0	3.1	Wave	13	2.5	0.8	0.2	Stainless
WWM 8×5×2.8×3	8	5.0	2.8	1.8	30.0	28.9	Wave	3	2.5	0.8	0.3	Carbon
WWS 8×5×2.8×3	8	5.0	2.8	1.8	30.0	28.9	Wave	3	2.5	0.8	0.3	Stainless
WWM 8×5×3.8×4	8	5.0	3.8	2.5	30.0	24.6	Wave	4	2.5	0.8	0.3	Carbon
WWS 8×5×3.8×4	8	5.0	3.8	2.5	30.0	24.6	Wave	4	2.5	0.8	0.3	Stainless
WWM 8×5×4.7×5	8	5.0	4.7	3.1	30.0	18.2	Wave	5	2.5	0.8	0.3	Carbon
WWS 8×5×4.7×5	8	5.0	4.7	3.1	30.0	18.2	Wave	5	2.5	0.8	0.3	Stainless
WWM 8×5×5.6×6	8	5.0	5.6	3.8	30.0	16.4	Wave	6	2.5	0.8	0.3	Carbon
WWS 8×5×5.6×6	8	5.0	5.6	3.8	30.0	16.4	Wave	6	2.5	0.8	0.3	Stainless
WWM 8×5×6.6×7	8	5.0	6.6	4.3	30.0	13.3	Wave	7	2.5	0.8	0.3	Carbon
WWS 8×5×6.6×7	8	5.0	6.6	4.3	30.0	13.3	Wave	7	2.5	0.8	0.3	Stainless
WWM 8×5×7.5×8	8	5.0	7.5	5.0	30.0	11.7	Wave	8	2.5	0.8	0.3	Carbon
WWS 8×5×7.5×8	8	5.0	7.5	5.0	30.0	11.7	Wave	8	2.5	0.8	0.3	Stainless
WWM 8×5×8.5×9	8	5.0	8.5	5.6	30.0	10.5	Wave	9	2.5	0.8	0.3	Carbon
WWS 8×5×8.5×9	8	5.0	8.5	5.6	30.0	10.5	Wave	9	2.5	0.8	0.3	Stainless
WWM 8×5×10.3×11	8	5.0	10.3	6.9	30.0	8.6	Wave	11	2.5	0.8	0.3	Carbon
WWS 8×5×10.3×11	8	5.0	10.3	6.9	30.0	8.6	Wave	11	2.5	0.8	0.3	Stainless
WWM 8×5×12.2×13	8	5.0	12.2	7.9	30.0	6.9	Wave	13	2.5	0.8	0.3	Carbon
WWS 8×5×12.2×13	8	5.0	12.2	7.9	30.0	6.9	Wave	13	2.5	0.8	0.3	Stainless
WWM 10×7×4×3	10	7.0	4.0	1.9	18.0	8.8	Wave	3	2.5	0.8	0.2	Carbon
WWS 10×7×4×3	10	7.0	4.0	1.9	18.0	8.8	Wave	3	2.5	0.8	0.2	Stainless
WWM 10×7×5.3×4	10	7.0	5.3	2.5	18.0	6.6	Wave	4	2.5	0.8	0.2	Carbon
WWS 10×7×5.3×4	10	7.0	5.3	2.5	18.0	6.6	Wave	4	2.5	0.8	0.2	Stainless
WWM 10×7×6.6×5	10	7.0	6.6	3.2	18.0	5.2	Wave	5	2.5	0.8	0.2	Carbon
WWS 10×7×6.6×5	10	7.0	6.6	3.2	18.0	5.2	Wave	5	2.5	0.8	0.2	Stainless
WWM 10×7×7.9×6	10	7.0	7.9	3.8	18.0	4.4	Wave	6	2.5	0.8	0.2	Carbon

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWS 10×7×7.9×6	10	7.0	7.9	3.8	18.0	4.4	Wave	6	2.5	0.8	0.2	Stainless
WWM 10×7×9.3×7	10	7.0	9.3	4.4	18.0	3.7	Wave	7	2.5	0.8	0.2	Carbon
WWS 10×7×9.3×7	10	7.0	9.3	4.4	18.0	3.7	Wave	7	2.5	0.8	0.2	Stainless
WWM 10×7×10.6×8	10	7.0	10.6	5.1	18.0	3.3	Wave	8	2.5	0.8	0.2	Carbon
WWS 10×7×10.6×8	10	7.0	10.6	5.1	18.0	3.3	Wave	8	2.5	0.8	0.2	Stainless
WWM 10×7×11.9×9	10	7.0	11.9	5.7	18.0	2.9	Wave	9	2.5	0.8	0.2	Carbon
WWS 10×7×11.9×9	10	7.0	11.9	5.7	18.0	2.9	Wave	9	2.5	0.8	0.2	Stainless
WWM 10×7×13.2×10	10	7.0	13.2	6.3	18.0	2.6	Wave	10	2.5	0.8	0.2	Carbon
WWS 10×7×13.2×10	10	7.0	13.2	6.3	18.0	2.6	Wave	10	2.5	0.8	0.2	Stainless
WWM 10×7×14.5×11	10	7.0	14.5	7.0	18.0	2.4	Wave	11	2.5	0.8	0.2	Carbon
WWS 10×7×14.5×11	10	7.0	14.5	7.0	18.0	2.4	Wave	11	2.5	0.8	0.2	Stainless
WWM 10×7×4×3	10	7.0	4.0	2.0	35.0	18.1	Wave	3	2.5	0.8	0.3	Carbon
WWS 10×7×4×3	10	7.0	4.0	2.0	35.0	18.1	Wave	3	2.5	0.8	0.3	Stainless
WWM 10×7×5.3×4	10	7.0	5.3	2.8	35.0	14.1	Wave	4	2.5	0.8	0.3	Carbon
WWS 10×7×5.3×4	10	7.0	5.3	2.8	35.0	14.1	Wave	4	2.5	0.8	0.3	Stainless
WWM 10×7×6.6×5	10	7.0	6.6	3.6	35.0	11.5	Wave	5	2.5	0.8	0.3	Carbon
WWS 10×7×6.6×5	10	7.0	6.6	3.6	35.0	11.5	Wave	5	2.5	0.8	0.3	Stainless
WWM 10×7×7.9×6	10	7.0	7.9	4.3	35.0	9.7	Wave	6	2.5	0.8	0.3	Carbon
WWS 10×7×7.9×6	10	7.0	7.9	4.3	35.0	9.7	Wave	6	2.5	0.8	0.3	Stainless
WWM 10×7×9.3×7	10	7.0	9.3	5.1	35.0	8.4	Wave	7	2.5	0.8	0.3	Carbon
WWS 10×7×9.3×7	10	7.0	9.3	5.1	35.0	8.4	Wave	7	2.5	0.8	0.3	Stainless
WWM 10×7×10.6×8	10	7.0	10.6	5.8	35.0	7.4	Wave	8	2.5	0.8	0.3	Carbon
WWS 10×7×10.6×8	10	7.0	10.6	5.8	35.0	7.4	Wave	8	2.5	0.8	0.3	Stainless
WWM 10×7×11.9×9	10	7.0	11.9	6.6	35.0	6.6	Wave	9	2.5	0.8	0.3	Carbon
WWS 10×7×11.9×9	10	7.0	11.9	6.6	35.0	6.6	Wave	9	2.5	0.8	0.3	Stainless
WWM 10×7×13.2×10	10	7.0	13.2	7.4	35.0	6.0	Wave	10	2.5	0.8	0.3	Carbon
WWS 10×7×13.2×10	10	7.0	13.2	7.4	35.0	6.0	Wave	10	2.5	0.8	0.3	Stainless
WWM 10×7×14.5×11	10	7.0	14.5	8.1	35.0	5.5	Wave	11	2.5	0.8	0.3	Carbon
WWS 10×7×14.5×11	10	7.0	14.5	8.1	35.0	5.5	Wave	11	2.5	0.8	0.3	Stainless
WWM 12×9×4.3×3	12	9.0	4.3	1.5	20.0	7.0	Wave	3	2.5	1.0	0.2	Carbon
WWS 12×9×4.3×3	12	9.0	4.3	1.5	20.0	7.0	Wave	3	2.5	1.0	0.2	Stainless
WWM 12×9×5.8×4	12	9.0	5.8	2.0	20.0	5.3	Wave	4	2.5	1.0	0.2	Carbon
WWS 12×9×5.8×4	12	9.0	5.8	2.0	20.0	5.3	Wave	4	2.5	1.0	0.2	Stainless
WWM 12×9×7.2×5	12	9.0	7.2	2.5	20.0	4.2	Wave	5	2.5	1.0	0.2	Carbon
WWS 12×9×7.2×5	12	9.0	7.2	2.5	20.0	4.2	Wave	5	2.5	1.0	0.2	Stainless
WWM 12×9×8.7×6	12	9.0	8.7	3.0	20.0	3.5	Wave	6	2.5	1.0	0.2	Carbon
WWS 12×9×8.7×6	12	9.0	8.7	3.0	20.0	3.5	Wave	6	2.5	1.0	0.2	Stainless
WWM 12×9×10.1×7	12	9.0	10.1	3.5	20.0	3.0	Wave	7	2.5	1.0	0.2	Carbon
WWS 12×9×10.1×7	12	9.0	10.1	3.5	20.0	3.0	Wave	7	2.5	1.0	0.2	Stainless

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 12×9×11.6×8	12	9.0	11.6	3.9	20.0	2.6	Wave	8	2.5	1.0	0.2	Carbon
WWS 12×9×11.6×8	12	9.0	11.6	3.9	20.0	2.6	Wave	8	2.5	1.0	0.2	Stainless
WWM 12×9×13×9	12	9.0	13.0	4.5	20.0	2.3	Wave	9	2.5	1.0	0.2	Carbon
WWS 12×9×13×9	12	9.0	13.0	4.5	20.0	2.3	Wave	9	2.5	1.0	0.2	Stainless
WWM 12×9×14.5×10	12	9.0	14.5	4.9	20.0	2.1	Wave	10	2.5	1.0	0.2	Carbon
WWS 12×9×14.5×10	12	9.0	14.5	4.9	20.0	2.1	Wave	10	2.5	1.0	0.2	Stainless
WWM 12×9×15.9×11	12	9.0	15.9	5.4	20.0	1.9	Wave	11	2.5	1.0	0.2	Carbon
WWS 12×9×15.9×11	12	9.0	15.9	5.4	20.0	1.9	Wave	11	2.5	1.0	0.2	Stainless
WWM 12×8.5×4.3×3	12	8.5	4.3	2.4	40.0	20.2	Wave	3	2.5	1.2	0.3	Carbon
WWS 12×8.5×4.3×3	12	8.5	4.3	2.4	40.0	20.2	Wave	3	2.5	1.2	0.3	Stainless
WWM 12×8.5×5.8×4	12	8.5	5.8	3.2	40.0	15.3	Wave	4	2.5	1.2	0.3	Carbon
WWS 12×8.5×5.8×4	12	8.5	5.8	3.2	40.0	15.3	Wave	4	2.5	1.2	0.3	Stainless
WWM 12×8.5×7.2×5	12	8.5	7.2	4.0	40.0	12.2	Wave	5	2.5	1.2	0.3	Carbon
WWS 12×8.5×7.2×5	12	8.5	7.2	4.0	40.0	12.2	Wave	5	2.5	1.2	0.3	Stainless
WWM 12×8.5×8.7×6	12	8.5	8.7	4.8	40.0	10.2	Wave	6	2.5	1.2	0.3	Carbon
WWS 12×8.5×8.7×6	12	8.5	8.7	4.8	40.0	10.2	Wave	6	2.5	1.2	0.3	Stainless
WWM 12×8.5×10.1×7	12	8.5	10.1	5.5	40.0	8.7	Wave	7	2.5	1.2	0.3	Carbon
WWS 12×8.5×10.1×7	12	8.5	10.1	5.5	40.0	8.7	Wave	7	2.5	1.2	0.3	Stainless
WWM 12×8.5×11.6×8	12	8.5	11.6	6.3	40.0	7.6	Wave	8	2.5	1.2	0.3	Carbon
WWS 12×8.5×11.6×8	12	8.5	11.6	6.3	40.0	7.6	Wave	8	2.5	1.2	0.3	Stainless
WWM 12×8.5×13×9	12	8.5	13.0	7.1	40.0	6.8	Wave	9	2.5	1.2	0.3	Carbon
WWS 12×8.5×13×9	12	8.5	13.0	7.1	40.0	6.8	Wave	9	2.5	1.2	0.3	Stainless
WWM 12×8.5×14.5×10	12	8.5	14.5	7.9	40.0	6.1	Wave	10	2.5	1.2	0.3	Carbon
WWS 12×8.5×14.5×10	12	8.5	14.5	7.9	40.0	6.1	Wave	10	2.5	1.2	0.3	Stainless
WWM 12×8.5×15.9×11	12	8.5	15.9	8.7	40.0	5.5	Wave	11	2.5	1.2	0.3	Carbon
WWS 12×8.5×15.9×11	12	8.5	15.9	8.7	40.0	5.5	Wave	11	2.5	1.2	0.3	Stainless
WWM 12×8.5×4.3×3	12	8.5	4.3	2.0	60.0	25.4	Wave	3	2.5	1.1	0.3	Carbon
WWS 12×8.5×4.3×3	12	8.5	4.3	2.0	60.0	25.4	Wave	3	2.5	1.1	0.3	Stainless
WWM 12×8.5×5.8×4	12	8.5	5.8	2.6	60.0	19.1	Wave	4	2.5	1.1	0.3	Carbon
WWS 12×8.5×5.8×4	12	8.5	5.8	2.6	60.0	19.1	Wave	4	2.5	1.1	0.3	Stainless
WWM 12×8.5×7.2×5	12	8.5	7.2	3.3	60.0	15.2	Wave	5	2.5	1.1	0.3	Carbon
WWS 12×8.5×7.2×5	12	8.5	7.2	3.3	60.0	15.2	Wave	5	2.5	1.1	0.3	Stainless
WWM 12×8.5×8.7×6	12	8.5	8.7	4.0	60.0	12.8	Wave	6	2.5	1.1	0.3	Carbon
WWS 12×8.5×8.7×6	12	8.5	8.7	4.0	60.0	12.8	Wave	6	2.5	1.1	0.3	Stainless
WWM 12×8.5×10.1×7	12	8.5	10.1	4.7	60.0	11.0	Wave	7	2.5	1.1	0.3	Carbon
WWS 12×8.5×10.1×7	12	8.5	10.1	4.7	60.0	11.0	Wave	7	2.5	1.1	0.3	Stainless
WWM 12×8.5×11.6×8	12	8.5	11.6	5.3	60.0	9.6	Wave	8	2.5	1.1	0.3	Carbon
WWS 12×8.5×11.6×8	12	8.5	11.6	5.3	60.0	9.6	Wave	8	2.5	1.1	0.3	Stainless
WWM 12×8.5×13×9	12	8.5	13.0	6.0	60.0	8.5	Wave	9	2.5	1.1	0.3	Carbon

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WWS 12×8.5×13×9	12	8.5	13.0	6.0	60.0	8.5	Wave	9	2.5	1.1	0.3	Stainless
WWM 12×8.5×14.5×10	12	8.5	14.5	6.6	60.0	7.6	Wave	10	2.5	1.1	0.3	Carbon
WWS 12×8.5×14.5×10	12	8.5	14.5	6.6	60.0	7.6	Wave	10	2.5	1.1	0.3	Stainless
WWM 12×8.5×15.9×11	12	8.5	15.9	7.3	60.0	6.9	Wave	11	2.5	1.1	0.3	Carbon
WWS 12×8.5×15.9×11	12	8.5	15.9	7.3	60.0	6.9	Wave	11	2.5	1.1	0.3	Stainless
WWM 14×10×5×3	14	10.0	5.0	2.2	22.0	7.9	Wave	3	2.5	1.5	0.2	Carbon
WWS 14×10×5×3	14	10.0	5.0	2.2	22.0	7.9	Wave	3	2.5	1.5	0.2	Stainless
WWM 14×10×6.6×4	14	10.0	6.6	3.0	22.0	6.0	Wave	4	2.5	1.5	0.2	Carbon
WWS 14×10×6.6×4	14	10.0	6.6	3.0	22.0	6.0	Wave	4	2.5	1.5	0.2	Stainless
WWM 14×10×8.3×5	14	10.0	8.3	3.7	22.0	4.8	Wave	5	2.5	1.5	0.2	Carbon
WWS 14×10×8.3×5	14	10.0	8.3	3.7	22.0	4.8	Wave	5	2.5	1.5	0.2	Stainless
WWM 14×10×9.9×6	14	10.0	9.9	4.5	22.0	4.1	Wave	6	2.5	1.5	0.2	Carbon
WWS 14×10×9.9×6	14	10.0	9.9	4.5	22.0	4.1	Wave	6	2.5	1.5	0.2	Stainless
WWM 14×10×11.6×7	14	10.0	11.6	5.3	22.0	3.5	Wave	7	2.5	1.5	0.2	Carbon
WWS 14×10×11.6×7	14	10.0	11.6	5.3	22.0	3.5	Wave	7	2.5	1.5	0.2	Stainless
WWM 14×10×13.2×8	14	10.0	13.2	6.2	22.0	3.1	Wave	8	2.5	1.5	0.2	Carbon
WWS 14×10×13.2×8	14	10.0	13.2	6.2	22.0	3.1	Wave	8	2.5	1.5	0.2	Stainless
WWM 14×10×14.9×9	14	10.0	14.9	7.0	22.0	2.8	Wave	9	2.5	1.5	0.2	Carbon
WWS 14×10×14.9×9	14	10.0	14.9	7.0	22.0	2.8	Wave	9	2.5	1.5	0.2	Stainless
WWM 14×10×16.5×10	14	10.0	16.5	7.9	22.0	2.5	Wave	10	2.5	1.5	0.2	Carbon
WWS 14×10×16.5×10	14	10.0	16.5	7.9	22.0	2.5	Wave	10	2.5	1.5	0.2	Stainless
WWM 14×10×18.2×11	14	10.0	18.2	8.7	22.0	2.3	Wave	11	2.5	1.5	0.2	Carbon
WWS 14×10×18.2×11	14	10.0	18.2	8.7	22.0	2.3	Wave	11	2.5	1.5	0.2	Stainless
WWM 14×10×5×3	14	10.0	5.0	2.2	50.0	18.1	Wave	3	2.5	1.5	0.3	Carbon
WWS 14×10×5×3	14	10.0	5.0	2.2	50.0	18.1	Wave	3	2.5	1.5	0.3	Stainless
WWM 14×10×6.6×4	14	10.0	6.6	3.0	50.0	13.7	Wave	4	2.5	1.5	0.3	Carbon
WWS 14×10×6.6×4	14	10.0	6.6	3.0	50.0	13.7	Wave	4	2.5	1.5	0.3	Stainless
WWM 14×10×8.3×5	14	10.0	8.3	3.7	50.0	11.0	Wave	5	2.5	1.5	0.3	Carbon
WWS 14×10×8.3×5	14	10.0	8.3	3.7	50.0	11.0	Wave	5	2.5	1.5	0.3	Stainless
WWM 14×10×9.9×6	14	10.0	9.9	4.5	50.0	9.3	Wave	6	2.5	1.5	0.3	Carbon
WWS 14×10×9.9×6	14	10.0	9.9	4.5	50.0	9.3	Wave	6	2.5	1.5	0.3	Stainless
WWM 14×10×11.6×7	14	10.0	11.6	5.3	50.0	8.0	Wave	7	2.5	1.5	0.3	Carbon
WWS 14×10×11.6×7	14	10.0	11.6	5.3	50.0	8.0	Wave	7	2.5	1.5	0.3	Stainless
WWM 14×10×13.2×8	14	10.0	13.2	6.2	50.0	7.1	Wave	8	2.5	1.5	0.3	Carbon
WWS 14×10×13.2×8	14	10.0	13.2	6.2	50.0	7.1	Wave	8	2.5	1.5	0.3	Stainless
WWM 14×10×14.9×9	14	10.0	14.9	7.0	50.0	6.4	Wave	9	2.5	1.5	0.3	Carbon
WWS 14×10×14.9×9	14	10.0	14.9	7.0	50.0	6.4	Wave	9	2.5	1.5	0.3	Stainless
WWM 14×10×16.5×10	14	10.0	16.5	7.9	50.0	5.8	Wave	10	2.5	1.5	0.3	Carbon
WWS 14×10×16.5×10	14	10.0	16.5	7.9	50.0	5.8	Wave	10	2.5	1.5	0.3	Stainless

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 14×10×18.2×11	14	10.0	18.2	8.7	50.0	5.3	Wave	11	2.5	1.5	0.3	Carbon
WWS 14×10×18.2×11	14	10.0	18.2	8.7	50.0	5.3	Wave	11	2.5	1.5	0.3	Stainless
WWM 14×9×5×3	14	9.0	5.0	3.2	80.0	44.4	Wave	3	2.5	1.5	0.4	Carbon
WWS 14×9×5×3	14	9.0	5.0	3.2	80.0	44.4	Wave	3	2.5	1.5	0.4	Stainless
WWM 14×9×6.6×4	14	9.0	6.6	4.2	80.0	33.2	Wave	4	2.5	1.5	0.4	Carbon
WWS 14×9×6.6×4	14	9.0	6.6	4.2	80.0	33.2	Wave	4	2.5	1.5	0.4	Stainless
WWM 14×9×8.3×5	14	9.0	8.3	5.3	80.0	26.7	Wave	5	2.5	1.5	0.4	Carbon
WWS 14×9×8.3×5	14	9.0	8.3	5.3	80.0	26.7	Wave	5	2.5	1.5	0.4	Stainless
WWM 14×9×9.9×6	14	9.0	9.9	6.3	80.0	22.2	Wave	6	2.5	1.5	0.4	Carbon
WWS 14×9×9.9×6	14	9.0	9.9	6.3	80.0	22.2	Wave	6	2.5	1.5	0.4	Stainless
WWM 14×9×11.6×7	14	9.0	11.6	7.3	80.0	19.0	Wave	7	2.5	1.5	0.4	Carbon
WWS 14×9×11.6×7	14	9.0	11.6	7.3	80.0	19.0	Wave	7	2.5	1.5	0.4	Stainless
WWM 14×9×13.2×8	14	9.0	13.2	8.4	80.0	16.7	Wave	8	2.5	1.5	0.4	Carbon
WWS 14×9×13.2×8	14	9.0	13.2	8.4	80.0	16.7	Wave	8	2.5	1.5	0.4	Stainless
WWM 14×9×14.9×9	14	9.0	14.9	9.5	80.0	14.8	Wave	9	2.5	1.5	0.4	Carbon
WWS 14×9×14.9×9	14	9.0	14.9	9.5	80.0	14.8	Wave	9	2.5	1.5	0.4	Stainless
WWM 14×9×16.5×10	14	9.0	16.5	10.5	80.0	13.3	Wave	10	2.5	1.5	0.4	Carbon
WWS 14×9×16.5×10	14	9.0	16.5	10.5	80.0	13.3	Wave	10	2.5	1.5	0.4	Stainless
WWM 14×9×18.2×11	14	9.0	18.2	11.6	80.0	12.1	Wave	11	2.5	1.5	0.4	Carbon
WWS 14×9×18.2×11	14	9.0	18.2	11.6	80.0	12.1	Wave	11	2.5	1.5	0.4	Stainless
WWM 15×11×5.2×3	15	11.0	5.2	2.6	25.0	9.6	Wave	3	2.5	1.5	0.3	Carbon
WWS 15×11×5.2×3	15	11.0	5.2	2.6	25.0	9.6	Wave	3	2.5	1.5	0.3	Stainless
WWM 15×11×6.9×4	15	11.0	6.9	3.4	25.0	7.2	Wave	4	2.5	1.5	0.3	Carbon
WWS 15×11×6.9×4	15	11.0	6.9	3.4	25.0	7.2	Wave	4	2.5	1.5	0.3	Stainless
WWM 15×11×8.6×5	15	11.0	8.6	4.3	25.0	5.7	Wave	5	2.5	1.5	0.3	Carbon
WWS 15×11×8.6×5	15	11.0	8.6	4.3	25.0	5.7	Wave	5	2.5	1.5	0.3	Stainless
WWM 15×11×10.4×6	15	11.0	10.4	5.1	25.0	4.8	Wave	6	2.5	1.5	0.3	Carbon
WWS 15×11×10.4×6	15	11.0	10.4	5.1	25.0	4.8	Wave	6	2.5	1.5	0.3	Stainless
WWM 15×11×12.1×7	15	11.0	12.1	6.0	25.0	4.1	Wave	7	2.5	1.5	0.3	Carbon
WWS 15×11×12.1×7	15	11.0	12.1	6.0	25.0	4.1	Wave	7	2.5	1.5	0.3	Stainless
WWM 15×11×13.8×8	15	11.0	13.8	6.8	25.0	3.6	Wave	8	2.5	1.5	0.3	Carbon
WWS 15×11×13.8×8	15	11.0	13.8	6.8	25.0	3.6	Wave	8	2.5	1.5	0.3	Stainless
WWM 15×11×15.5×9	15	11.0	15.5	7.7	25.0	3.2	Wave	9	2.5	1.5	0.3	Carbon
WWS 15×11×15.5×9	15	11.0	15.5	7.7	25.0	3.2	Wave	9	2.5	1.5	0.3	Stainless
WWM 15×11×17.3×10	15	11.0	17.3	8.5	25.0	2.9	Wave	10	2.5	1.5	0.3	Carbon
WWS 15×11×17.3×10	15	11.0	17.3	8.5	25.0	2.9	Wave	10	2.5	1.5	0.3	Stainless
WWM 15×11×19×11	15	11.0	19.0	9.4	25.0	2.6	Wave	11	2.5	1.5	0.3	Carbon
WWS 15×11×19×11	15	11.0	19.0	9.4	25.0	2.6	Wave	11	2.5	1.5	0.3	Stainless
WWM 15×10×5.2×3	15	10.0	5.2	3.4	50.0	28.6	Wave	3	3.5	1.5	0.2	Carbon

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWS 15×10×5.2×3	15	10.0	5.2	3.4	50.0	28.6	Wave	3	3.5	1.5	0.2	Stainless
WWM 15×10×6.9×4	15	10.0	6.9	4.6	50.0	21.4	Wave	4	3.5	1.5	0.2	Carbon
WWS 15×10×6.9×4	15	10.0	6.9	4.6	50.0	21.4	Wave	4	3.5	1.5	0.2	Stainless
WWM 15×10×8.6×5	15	10.0	8.6	5.7	50.0	17.1	Wave	5	3.5	1.5	0.2	Carbon
WWS 15×10×8.6×5	15	10.0	8.6	5.7	50.0	17.1	Wave	5	3.5	1.5	0.2	Stainless
WWM 15×10×10.4×6	15	10.0	10.4	6.9	50.0	14.3	Wave	6	3.5	1.5	0.2	Carbon
WWS 15×10×10.4×6	15	10.0	10.4	6.9	50.0	14.3	Wave	6	3.5	1.5	0.2	Stainless
WWM 15×10×12.1×7	15	10.0	12.1	8.0	50.0	12.2	Wave	7	3.5	1.5	0.2	Carbon
WWS 15×10×12.1×7	15	10.0	12.1	8.0	50.0	12.2	Wave	7	3.5	1.5	0.2	Stainless
WWM 15×10×13.8×8	15	10.0	13.8	9.1	50.0	10.7	Wave	8	3.5	1.5	0.2	Carbon
WWS 15×10×13.8×8	15	10.0	13.8	9.1	50.0	10.7	Wave	8	3.5	1.5	0.2	Stainless
WWM 15×10×15.5×9	15	10.0	15.5	10.3	50.0	9.5	Wave	9	3.5	1.5	0.2	Carbon
WWS 15×10×15.5×9	15	10.0	15.5	10.3	50.0	9.5	Wave	9	3.5	1.5	0.2	Stainless
WWM 15×10×17.3×10	15	10.0	17.3	11.4	50.0	8.6	Wave	10	3.5	1.5	0.2	Carbon
WWS 15×10×17.3×10	15	10.0	17.3	11.4	50.0	8.6	Wave	10	3.5	1.5	0.2	Stainless
WWM 15×10×19×11	15	10.0	19.0	12.6	50.0	7.8	Wave	11	3.5	1.5	0.2	Carbon
WWS 15×10×19×11	15	10.0	19.0	12.6	50.0	7.8	Wave	11	3.5	1.5	0.2	Stainless
WWM 15×10×5.2×3	15	10.0	5.2	3.2	80.0	40.4	Wave	3	3.5	1.5	0.3	Carbon
WWS 15×10×5.2×3	15	10.0	5.2	3.2	80.0	40.4	Wave	3	3.5	1.5	0.3	Stainless
WWM 15×10×6.9×4	15	10.0	6.9	4.2	80.0	29.4	Wave	4	3.5	1.5	0.3	Carbon
WWS 15×10×6.9×4	15	10.0	6.9	4.2	80.0	29.4	Wave	4	3.5	1.5	0.3	Stainless
WWM 15×10×8.6×5	15	10.0	8.6	5.2	80.0	23.5	Wave	5	3.5	1.5	0.3	Carbon
WWS 15×10×8.6×5	15	10.0	8.6	5.2	80.0	23.5	Wave	5	3.5	1.5	0.3	Stainless
WWM 15×10×10.4×6	15	10.0	10.4	6.3	80.0	19.6	Wave	6	3.5	1.5	0.3	Carbon
WWS 15×10×10.4×6	15	10.0	10.4	6.3	80.0	19.6	Wave	6	3.5	1.5	0.3	Stainless
WWM 15×10×12.1×7	15	10.0	12.1	7.3	80.0	16.8	Wave	7	3.5	1.5	0.3	Carbon
WWS 15×10×12.1×7	15	10.0	12.1	7.3	80.0	16.8	Wave	7	3.5	1.5	0.3	Stainless
WWM 15×10×13.8×8	15	10.0	13.8	8.4	80.0	14.7	Wave	8	3.5	1.5	0.3	Carbon
WWS 15×10×13.8×8	15	10.0	13.8	8.4	80.0	14.7	Wave	8	3.5	1.5	0.3	Stainless
WWM 15×10×15.5×9	15	10.0	15.5	9.4	80.0	13.0	Wave	9	3.5	1.5	0.3	Carbon
WWS 15×10×15.5×9	15	10.0	15.5	9.4	80.0	13.0	Wave	9	3.5	1.5	0.3	Stainless
WWM 15×10×17.3×10	15	10.0	17.3	10.5	80.0	11.8	Wave	10	3.5	1.5	0.3	Carbon
WWS 15×10×17.3×10	15	10.0	17.3	10.5	80.0	11.8	Wave	10	3.5	1.5	0.3	Stainless
WWM 15×10×19×11	15	10.0	19.0	11.5	80.0	10.7	Wave	11	3.5	1.5	0.3	Carbon
WWS 15×10×19×11	15	10.0	19.0	11.5	80.0	10.7	Wave	11	3.5	1.5	0.3	Stainless
WWM 16×11×5.4×3	16	11.0	5.4	2.1	25.0	7.6	Wave	3	3.5	1.5	0.3	Carbon
WWS 16×11×5.4×3	16	11.0	5.4	2.1	25.0	7.6	Wave	3	3.5	1.5	0.3	Stainless
WWM 16×11×7.2×4	16	11.0	7.2	2.8	25.0	5.7	Wave	4	3.5	1.5	0.3	Carbon
WWS 16×11×7.2×4	16	11.0	7.2	2.8	25.0	5.7	Wave	4	3.5	1.5	0.3	Stainless

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 16×11×9×5	16	11.0	9.0	3.5	25.0	4.5	Wave	5	3.5	1.5	0.3	Carbon
WWS 16×11×9×5	16	11.0	9.0	3.5	25.0	4.5	Wave	5	3.5	1.5	0.3	Stainless
WWM 16×11×10.8×6	16	11.0	10.8	4.2	25.0	3.8	Wave	6	3.5	1.5	0.3	Carbon
WWS 16×11×10.8×6	16	11.0	10.8	4.2	25.0	3.8	Wave	6	3.5	1.5	0.3	Stainless
WWM 16×11×12.6×7	16	11.0	12.6	4.9	25.0	3.2	Wave	7	3.5	1.5	0.3	Carbon
WWS 16×11×12.6×7	16	11.0	12.6	4.9	25.0	3.2	Wave	7	3.5	1.5	0.3	Stainless
WWM 16×11×16.2×9	16	11.0	16.2	6.3	25.0	2.5	Wave	9	3.5	1.5	0.3	Carbon
WWS 16×11×16.2×9	16	11.0	16.2	6.3	25.0	2.5	Wave	9	3.5	1.5	0.3	Stainless
WWM 16×11×19.8×11	16	11.0	19.8	7.7	25.0	2.1	Wave	11	3.5	1.5	0.3	Carbon
WWS 16×11×19.8×11	16	11.0	19.8	7.7	25.0	2.1	Wave	11	3.5	1.5	0.3	Stainless
WWM 16×11×23.4×13	16	11.0	23.4	9.1	25.0	1.7	Wave	13	3.5	1.5	0.3	Carbon
WWS 16×11×23.4×13	16	11.0	23.4	9.1	25.0	1.7	Wave	13	3.5	1.5	0.3	Stainless
WWM 16×11×5.4×3	16	11.0	5.4	3.6	25.0	14.0	Wave	3	3.5	1.5	0.3	Carbon
WWS 16×11×5.4×3	16	11.0	5.4	3.6	25.0	14.0	Wave	3	3.5	1.5	0.3	Stainless
WWM 16×11×7.2×4	16	11.0	7.2	4.8	55.0	23.1	Wave	4	3.5	1.5	0.3	Carbon
WWS 16×11×7.2×4	16	11.0	7.2	4.8	55.0	23.1	Wave	4	3.5	1.5	0.3	Stainless
WWM 16×11×9×5	16	11.0	9.0	6.1	55.0	18.5	Wave	5	3.5	1.5	0.3	Carbon
WWS 16×11×9×5	16	11.0	9.0	6.1	55.0	18.5	Wave	5	3.5	1.5	0.3	Stainless
WWM 16×11×10.8×6	16	11.0	10.8	7.2	55.0	15.4	Wave	6	3.5	1.5	0.3	Carbon
WWS 16×11×10.8×6	16	11.0	10.8	7.2	55.0	15.4	Wave	6	3.5	1.5	0.3	Stainless
WWM 16×11×12.6×7	16	11.0	12.6	8.5	55.0	13.2	Wave	7	3.5	1.5	0.3	Carbon
WWS 16×11×12.6×7	16	11.0	12.6	8.5	55.0	13.2	Wave	7	3.5	1.5	0.3	Stainless
WWM 16×11×16.2×9	16	11.0	16.2	10.9	55.0	10.3	Wave	9	3.5	1.5	0.3	Carbon
WWS 16×11×16.2×9	16	11.0	16.2	10.9	55.0	10.3	Wave	9	3.5	1.5	0.3	Stainless
WWM 16×11×19.8×11	16	11.0	19.8	13.3	55.0	8.4	Wave	11	3.5	1.5	0.3	Carbon
WWS 16×11×19.8×11	16	11.0	19.8	13.3	55.0	8.4	Wave	11	3.5	1.5	0.3	Stainless
WWM 16×11×23.4×13	16	11.0	23.4	15.7	55.0	7.1	Wave	13	3.5	1.5	0.3	Carbon
WWS 16×11×23.4×13	16	11.0	23.4	15.7	55.0	7.1	Wave	13	3.5	1.5	0.3	Stainless
WWM 16×11×5.4×3	16	11.0	5.4	3.3	90.0	42.7	Wave	3	3.5	1.5	0.3	Carbon
WWS 16×11×5.4×3	16	11.0	5.4	3.3	90.0	42.7	Wave	3	3.5	1.5	0.3	Stainless
WWM 16×11×7.2×4	16	11.0	7.2	4.6	90.0	34.1	Wave	4	3.5	1.5	0.3	Carbon
WWS 16×11×7.2×4	16	11.0	7.2	4.6	90.0	34.1	Wave	4	3.5	1.5	0.3	Stainless
WWM 16×11×9×5	16	11.0	9.0	5.6	90.0	26.2	Wave	5	3.5	1.5	0.3	Carbon
WWS 16×11×9×5	16	11.0	9.0	5.6	90.0	26.2	Wave	5	3.5	1.5	0.3	Stainless
WWM 16×11×10.8×6	16	11.0	10.8	6.9	90.0	22.7	Wave	6	3.5	1.5	0.3	Carbon
WWS 16×11×10.8×6	16	11.0	10.8	6.9	90.0	22.7	Wave	6	3.5	1.5	0.3	Stainless
WWM 16×11×12.6×7	16	11.0	12.6	7.9	90.0	19.0	Wave	7	3.5	1.5	0.3	Carbon
WWS 16×11×12.6×7	16	11.0	12.6	7.9	90.0	19.0	Wave	7	3.5	1.5	0.3	Stainless
WWM 16×11×16.2×9	16	11.0	16.2	10.2	90.0	14.8	Wave	9	3.5	1.5	0.3	Carbon

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/SUS 302/SUS304
/SUS631/17-7PH



SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWS 16×11×16.2×9	16	11.0	16.2	10.2	90.0	14.8	Wave	9	3.5	1.5	0.3	Stainless
WWM 16×11×19.8×11	16	11.0	19.8	12.5	90.0	12.2	Wave	11	3.5	1.5	0.3	Carbon
WWS 16×11×19.8×11	16	11.0	19.8	12.5	90.0	12.2	Wave	11	3.5	1.5	0.3	Stainless
WWM 16×11×23.4×13	16	11.0	23.4	14.7	90.0	10.3	Wave	13	3.5	1.5	0.3	Carbon
WWS 16×11×23.4×13	16	11.0	23.4	14.7	90.0	10.3	Wave	13	3.5	1.5	0.3	Stainless
WWM 18×13×5.7×3	18	13.0	5.7	3.6	30.0	14.4	Wave	3	3.5	1.8	0.2	Carbon
WWS 18×13×5.7×3	18	13.0	5.7	3.6	30.0	14.4	Wave	3	3.5	1.8	0.2	Stainless
WWM 18×13×7.6×4	18	13.0	7.6	4.8	30.0	10.5	Wave	4	3.5	1.8	0.2	Carbon
WWS 18×13×7.6×4	18	13.0	7.6	4.8	30.0	10.5	Wave	4	3.5	1.8	0.2	Stainless
WWM 18×13×9.5×5	18	13.0	9.5	5.9	30.0	8.4	Wave	5	3.5	1.8	0.2	Carbon
WWS 18×13×9.5×5	18	13.0	9.5	5.9	30.0	8.4	Wave	5	3.5	1.8	0.2	Stainless
WWM 18×13×11.4×6	18	13.0	11.4	7.1	30.0	7.0	Wave	6	3.5	1.8	0.2	Carbon
WWS 18×13×11.4×6	18	13.0	11.4	7.1	30.0	7.0	Wave	6	3.5	1.8	0.2	Stainless
WWM 18×13×13.3×7	18	13.0	13.3	8.3	30.0	6.0	Wave	7	3.5	1.8	0.2	Carbon
WWS 18×13×13.3×7	18	13.0	13.3	8.3	30.0	6.0	Wave	7	3.5	1.8	0.2	Stainless
WWM 18×13×17.2×9	18	13.0	17.2	10.7	30.0	4.6	Wave	9	3.5	1.8	0.2	Carbon
WWS 18×13×17.2×9	18	13.0	17.2	10.7	30.0	4.6	Wave	9	3.5	1.8	0.2	Stainless
WWM 18×13×22.9×12	18	13.0	22.9	14.3	30.0	3.5	Wave	12	3.5	1.8	0.2	Carbon
WWS 18×13×22.9×12	18	13.0	22.9	14.3	30.0	3.5	Wave	12	3.5	1.8	0.2	Stainless
WWM 18×13×5.7×3	18	13.0	5.7	3.7	55.0	27.0	Wave	3	3.5	1.8	0.3	Carbon
WWS 18×13×5.7×3	18	13.0	5.7	3.7	55.0	27.0	Wave	3	3.5	1.8	0.3	Stainless
WWM 18×13×7.6×4	18	13.0	7.6	5.0	55.0	20.8	Wave	4	3.5	1.8	0.3	Carbon
WWS 18×13×7.6×4	18	13.0	7.6	5.0	55.0	20.8	Wave	4	3.5	1.8	0.3	Stainless
WWM 18×13×9.5×5	18	13.0	9.5	6.2	55.0	16.6	Wave	5	3.5	1.8	0.3	Carbon
WWS 18×13×9.5×5	18	13.0	9.5	6.2	55.0	16.6	Wave	5	3.5	1.8	0.3	Stainless
WWM 18×13×11.4×6	18	13.0	11.4	7.5	55.0	13.9	Wave	6	3.5	1.8	0.3	Carbon
WWS 18×13×11.4×6	18	13.0	11.4	7.5	55.0	13.9	Wave	6	3.5	1.8	0.3	Stainless
WWM 18×13×13.3×7	18	13.0	13.3	8.7	55.0	12.0	Wave	7	3.5	1.8	0.3	Carbon
WWS 18×13×13.3×7	18	13.0	13.3	8.7	55.0	12.0	Wave	7	3.5	1.8	0.3	Stainless
WWM 18×13×17.2×9	18	13.0	17.2	11.2	55.0	9.3	Wave	9	3.5	1.8	0.3	Carbon
WWS 18×13×17.2×9	18	13.0	17.2	11.2	55.0	9.3	Wave	9	3.5	1.8	0.3	Stainless
WWM 18×13×22.9×12	18	13.0	22.9	15.0	55.0	7.0	Wave	12	3.5	1.8	0.3	Carbon
WWS 18×13×22.9×12	18	13.0	22.9	15.0	55.0	7.0	Wave	12	3.5	1.8	0.3	Stainless
WWM 18×13×5.7×3	18	13.0	5.7	3.8	90.0	47.9	Wave	3	3.5	1.8	0.3	Carbon
WWS 18×13×5.7×3	18	13.0	5.7	3.8	90.0	47.9	Wave	3	3.5	1.8	0.3	Stainless
WWM 18×13×7.6×4	18	13.0	7.6	5.1	90.0	36.1	Wave	4	3.5	1.8	0.3	Carbon
WWS 18×13×7.6×4	18	13.0	7.6	5.1	90.0	36.1	Wave	4	3.5	1.8	0.3	Stainless
WWM 18×13×9.5×5	18	13.0	9.5	6.4	90.0	28.8	Wave	5	3.5	1.8	0.3	Carbon
WWS 18×13×9.5×5	18	13.0	9.5	6.4	90.0	28.8	Wave	5	3.5	1.8	0.3	Stainless

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 18×13×11.4×6	18	13.0	11.4	7.7	90.0	24.1	Wave	6	3.5	1.8	0.3	Carbon
WWS 18×13×11.4×6	18	13.0	11.4	7.7	90.0	24.1	Wave	6	3.5	1.8	0.3	Stainless
WWM 18×13×13.3×7	18	13.0	13.3	9.0	90.0	20.6	Wave	7	3.5	1.8	0.3	Carbon
WWS 18×13×13.3×7	18	13.0	13.3	9.0	90.0	20.6	Wave	7	3.5	1.8	0.3	Stainless
WWM 18×13×17.2×9	18	13.0	17.2	11.5	90.0	16.0	Wave	9	3.5	1.8	0.3	Carbon
WWS 18×13×17.2×9	18	13.0	17.2	11.5	90.0	16.0	Wave	9	3.5	1.8	0.3	Stainless
WWM 18×13×22.9×12	18	13.0	22.9	15.4	90.0	12.0	Wave	12	3.5	1.8	0.3	Carbon
WWS 18×13×22.9×12	18	13.0	22.9	15.4	90.0	12.0	Wave	12	3.5	1.8	0.3	Stainless
WWM 20×15×6.3×3	20	15.0	6.3	2.7	35.0	9.7	Wave	3	3.5	1.8	0.2	Carbon
WWS 20×15×6.3×3	20	15.0	6.3	2.7	35.0	9.7	Wave	3	3.5	1.8	0.2	Stainless
WWM 20×15×8.4×4	20	15.0	8.4	3.6	35.0	7.3	Wave	4	3.5	1.8	0.2	Carbon
WWS 20×15×8.4×4	20	15.0	8.4	3.6	35.0	7.3	Wave	4	3.5	1.8	0.2	Stainless
WWM 20×15×10.5×5	20	15.0	10.5	4.5	35.0	5.8	Wave	5	3.5	1.8	0.2	Carbon
WWS 20×15×10.5×5	20	15.0	10.5	4.5	35.0	5.8	Wave	5	3.5	1.8	0.2	Stainless
WWM 20×15×12.7×6	20	15.0	12.7	5.4	35.0	4.8	Wave	6	3.5	1.8	0.2	Carbon
WWS 20×15×12.7×6	20	15.0	12.7	5.4	35.0	4.8	Wave	6	3.5	1.8	0.2	Stainless
WWM 20×15×14.8×7	20	15.0	14.8	6.3	35.0	4.2	Wave	7	3.5	1.8	0.2	Carbon
WWS 20×15×14.8×7	20	15.0	14.8	6.3	35.0	4.2	Wave	7	3.5	1.8	0.2	Stainless
WWM 20×15×19×9	20	15.0	19.0	8.1	35.0	3.2	Wave	9	3.5	1.8	0.2	Carbon
WWS 20×15×19×9	20	15.0	19.0	8.1	35.0	3.2	Wave	9	3.5	1.8	0.2	Stainless
WWM 20×15×25.3×12	20	15.0	25.3	10.8	35.0	2.4	Wave	12	3.5	1.8	0.2	Carbon
WWS 20×15×25.3×12	20	15.0	25.3	10.8	35.0	2.4	Wave	12	3.5	1.8	0.2	Stainless
WWM 20×14×6.3×3	20	14.0	6.3	3.1	70.0	21.4	Wave	3	3.5	2.0	0.3	Carbon
WWS 20×14×6.3×3	20	14.0	6.3	3.1	70.0	21.4	Wave	3	3.5	2.0	0.3	Stainless
WWM 20×14×8.4×4	20	14.0	8.4	4.1	70.0	16.0	Wave	4	3.5	2.0	0.3	Carbon
WWS 20×14×8.4×4	20	14.0	8.4	4.1	70.0	16.0	Wave	4	3.5	2.0	0.3	Stainless
WWM 20×14×10.5×5	20	14.0	10.5	5.1	70.0	12.8	Wave	5	3.5	2.0	0.3	Carbon
WWS 20×14×10.5×5	20	14.0	10.5	5.1	70.0	12.8	Wave	5	3.5	2.0	0.3	Stainless
WWM 20×14×12.7×6	20	14.0	12.7	6.3	70.0	11.0	Wave	6	3.5	2.0	0.3	Carbon
WWS 20×14×12.7×6	20	14.0	12.7	6.3	70.0	11.0	Wave	6	3.5	2.0	0.3	Stainless
WWM 20×14×14.8×7	20	14.0	14.8	7.3	70.0	9.4	Wave	7	3.5	2.0	0.3	Carbon
WWS 20×14×14.8×7	20	14.0	14.8	7.3	70.0	9.4	Wave	7	3.5	2.0	0.3	Stainless
WWM 20×14×19×9	20	14.0	19.0	9.2	70.0	7.1	Wave	9	3.5	2.0	0.3	Carbon
WWS 20×14×19×9	20	14.0	19.0	9.2	70.0	7.1	Wave	9	3.5	2.0	0.3	Stainless
WWM 20×14×25.3×12	20	14.0	25.3	12.2	70.0	5.4	Wave	12	3.5	2.0	0.3	Carbon
WWS 20×14×25.3×12	20	14.0	25.3	12.2	70.0	5.4	Wave	12	3.5	2.0	0.3	Stainless
WWM 20×14×6.3×3	20	14.0	6.3	4.2	100.0	48.1	Wave	3	3.5	2.0	0.3	Carbon
WWS 20×14×6.3×3	20	14.0	6.3	4.2	100.0	48.1	Wave	3	3.5	2.0	0.3	Stainless
WWM 20×14×8.4×4	20	14.0	8.4	5.7	100.0	36.1	Wave	4	3.5	2.0	0.3	Carbon

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWS 20×14×8.4×4	20	14.0	8.4	5.7	100.0	36.1	Wave	4	3.5	2.0	0.3	Stainless
WWM 20×14×10.5×5	20	14.0	10.5	7.1	100.0	28.7	Wave	5	3.5	2.0	0.3	Carbon
WWS 20×14×10.5×5	20	14.0	10.5	7.1	100.0	28.7	Wave	5	3.5	2.0	0.3	Stainless
WWM 20×14×12.7×6	20	14.0	12.7	8.5	100.0	24.0	Wave	6	3.5	2.0	0.3	Carbon
WWS 20×14×12.7×6	20	14.0	12.7	8.5	100.0	24.0	Wave	6	3.5	2.0	0.3	Stainless
WWM 20×14×14.8×7	20	14.0	14.8	9.9	100.0	20.6	Wave	7	3.5	2.0	0.3	Carbon
WWS 20×14×14.8×7	20	14.0	14.8	9.9	100.0	20.6	Wave	7	3.5	2.0	0.3	Stainless
WWM 20×14×19×9	20	14.0	19.0	12.7	100.0	16.0	Wave	9	3.5	2.0	0.3	Carbon
WWS 20×14×19×9	20	14.0	19.0	12.7	100.0	16.0	Wave	9	3.5	2.0	0.3	Stainless
WWM 20×14×25.3×12	20	14.0	25.3	17.0	100.0	12.0	Wave	12	3.5	2.0	0.3	Carbon
WWS 20×14×25.3×12	20	14.0	25.3	17.0	100.0	12.0	Wave	12	3.5	2.0	0.3	Stainless
WWM 25×19×6.6×3	25	19.0	6.6	2.1	50.0	10.9	Wave	3	3.5	2.2	0.3	Carbon
WWS 25×19×6.6×3	25	19.0	6.6	2.1	50.0	10.9	Wave	3	3.5	2.2	0.3	Stainless
WWM 25×19×8.8×4	25	19.0	8.8	2.7	50.0	8.2	Wave	4	3.5	2.2	0.3	Carbon
WWS 25×19×8.8×4	25	19.0	8.8	2.7	50.0	8.2	Wave	4	3.5	2.2	0.3	Stainless
WWM 25×19×11.1×5	25	19.0	11.1	3.4	50.0	6.6	Wave	5	3.5	2.2	0.3	Carbon
WWS 25×19×11.1×5	25	19.0	11.1	3.4	50.0	6.6	Wave	5	3.5	2.2	0.3	Stainless
WWM 25×19×13.3×6	25	19.0	13.3	4.1	50.0	5.5	Wave	6	3.5	2.2	0.3	Carbon
WWS 25×19×13.3×6	25	19.0	13.3	4.1	50.0	5.5	Wave	6	3.5	2.2	0.3	Stainless
WWM 25×19×15.5×7	25	19.0	15.5	4.8	50.0	4.7	Wave	7	3.5	2.2	0.3	Carbon
WWS 25×19×15.5×7	25	19.0	15.5	4.8	50.0	4.7	Wave	7	3.5	2.2	0.3	Stainless
WWM 25×19×19.9×9	25	19.0	19.9	6.2	50.0	3.7	Wave	9	3.5	2.2	0.3	Carbon
WWS 25×19×19.9×9	25	19.0	19.9	6.2	50.0	3.7	Wave	9	3.5	2.2	0.3	Stainless
WWM 25×19×26.5×12	25	19.0	26.5	8.3	50.0	2.7	Wave	12	3.5	2.2	0.3	Carbon
WWS 25×19×26.5×12	25	19.0	26.5	8.3	50.0	2.7	Wave	12	3.5	2.2	0.3	Stainless
WWM 25×19×6.6×3	25	19.0	6.6	3.0	80.0	21.7	Wave	3	3.5	2.4	0.3	Carbon
WWS 25×19×6.6×3	25	19.0	6.6	3.0	80.0	21.7	Wave	3	3.5	2.4	0.3	Stainless
WWM 25×19×8.8×4	25	19.0	8.8	3.9	80.0	16.3	Wave	4	3.5	2.4	0.3	Carbon
WWS 25×19×8.8×4	25	19.0	8.8	3.9	80.0	16.3	Wave	4	3.5	2.4	0.3	Stainless
WWM 25×19×11.1×5	25	19.0	11.1	4.9	80.0	13.0	Wave	5	3.5	2.4	0.3	Carbon
WWS 25×19×11.1×5	25	19.0	11.1	4.9	80.0	13.0	Wave	5	3.5	2.4	0.3	Stainless
WWM 25×19×13.3×6	25	19.0	13.3	5.9	80.0	10.9	Wave	6	3.5	2.4	0.3	Carbon
WWS 25×19×13.3×6	25	19.0	13.3	5.9	80.0	10.9	Wave	6	3.5	2.4	0.3	Stainless
WWM 25×19×15.5×7	25	19.0	15.5	6.9	80.0	9.3	Wave	7	3.5	2.4	0.3	Carbon
WWS 25×19×15.5×7	25	19.0	15.5	6.9	80.0	9.3	Wave	7	3.5	2.4	0.3	Stainless
WWM 25×19×19.9×9	25	19.0	19.9	8.8	80.0	7.2	Wave	9	3.5	2.4	0.3	Carbon
WWS 25×19×19.9×9	25	19.0	19.9	8.8	80.0	7.2	Wave	9	3.5	2.4	0.3	Stainless
WWM 25×19×26.5×12	25	19.0	26.5	11.8	80.0	5.4	Wave	12	3.5	2.4	0.3	Carbon
WWS 25×19×26.5×12	25	19.0	26.5	11.8	80.0	5.4	Wave	12	3.5	2.4	0.3	Stainless

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 25×19×6.6×3	25	19.0	6.6	4.0	110.0	42.5	Wave	3	3.5	2.4	0.4	Carbon
WWS 25×19×6.6×3	25	19.0	6.6	4.0	110.0	42.5	Wave	3	3.5	2.4	0.4	Stainless
WWM 25×19×8.8×4	25	19.0	8.8	5.4	110.0	31.8	Wave	4	3.5	2.4	0.4	Carbon
WWS 25×19×8.8×4	25	19.0	8.8	5.4	110.0	31.8	Wave	4	3.5	2.4	0.4	Stainless
WWM 25×19×11.1×5	25	19.0	11.1	6.7	110.0	25.5	Wave	5	3.5	2.4	0.4	Carbon
WWS 25×19×11.1×5	25	19.0	11.1	6.7	110.0	25.5	Wave	5	3.5	2.4	0.4	Stainless
WWM 25×19×13.3×6	25	19.0	13.3	8.1	110.0	21.2	Wave	6	3.5	2.4	0.4	Carbon
WWS 25×19×13.3×6	25	19.0	13.3	8.1	110.0	21.2	Wave	6	3.5	2.4	0.4	Stainless
WWM 25×19×15.5×7	25	19.0	15.5	9.4	110.0	18.1	Wave	7	3.5	2.4	0.4	Carbon
WWS 25×19×15.5×7	25	19.0	15.5	9.4	110.0	18.1	Wave	7	3.5	2.4	0.4	Stainless
WWM 25×19×19.9×9	25	19.0	19.9	12.1	110.0	14.2	Wave	9	3.5	2.4	0.4	Carbon
WWS 25×19×19.9×9	25	19.0	19.9	12.1	110.0	14.2	Wave	9	3.5	2.4	0.4	Stainless
WWM 25×19×26.5×12	25	19.0	26.5	16.2	110.0	10.6	Wave	12	3.5	2.4	0.4	Carbon
WWS 25×19×26.5×12	25	19.0	26.5	16.2	110.0	10.6	Wave	12	3.5	2.4	0.4	Stainless
WWM 28×22×7.2×3	28	22.0	7.2	3.8	50.0	14.4	Wave	3	3.5	2.4	0.3	Carbon
WWS 28×22×7.2×3	28	22.0	7.2	3.8	50.0	14.4	Wave	3	3.5	2.4	0.3	Stainless
WWM 28×22×9.7×4	28	22.0	9.7	5.0	50.0	10.8	Wave	4	3.5	2.4	0.3	Carbon
WWS 28×22×9.7×4	28	22.0	9.7	5.0	50.0	10.8	Wave	4	3.5	2.4	0.3	Stainless
WWM 28×22×12.1×5	28	22.0	12.1	6.3	50.0	8.6	Wave	5	3.5	2.4	0.3	Carbon
WWS 28×22×12.1×5	28	22.0	12.1	6.3	50.0	8.6	Wave	5	3.5	2.4	0.3	Stainless
WWM 28×22×14.5×6	28	22.0	14.5	7.5	50.0	7.2	Wave	6	3.5	2.4	0.3	Carbon
WWS 28×22×14.5×6	28	22.0	14.5	7.5	50.0	7.2	Wave	6	3.5	2.4	0.3	Stainless
WWM 28×22×16.9×7	28	22.0	16.9	8.8	50.0	6.2	Wave	7	3.5	2.4	0.3	Carbon
WWS 28×22×16.9×7	28	22.0	16.9	8.8	50.0	6.2	Wave	7	3.5	2.4	0.3	Stainless
WWM 28×22×19.3×8	28	22.0	19.3	10.0	50.0	5.4	Wave	8	3.5	2.4	0.3	Carbon
WWS 28×22×19.3×8	28	22.0	19.3	10.0	50.0	5.4	Wave	8	3.5	2.4	0.3	Stainless
WWM 28×22×21.7×9	28	22.0	21.7	11.3	50.0	4.8	Wave	9	3.5	2.4	0.3	Carbon
WWS 28×22×21.7×9	28	22.0	21.7	11.3	50.0	4.8	Wave	9	3.5	2.4	0.3	Stainless
WWM 28×22×26.5×11	28	22.0	26.5	13.8	50.0	3.9	Wave	11	3.5	2.4	0.3	Carbon
WWS 28×22×26.5×11	28	22.0	26.5	13.8	50.0	3.9	Wave	11	3.5	2.4	0.3	Stainless
WWM 28×22×31.4×13	28	22.0	31.4	16.3	50.0	3.3	Wave	13	3.5	2.4	0.3	Carbon
WWS 28×22×31.4×13	28	22.0	31.4	16.3	50.0	3.3	Wave	13	3.5	2.4	0.3	Stainless
WWM 28×22×7.2×3	28	22.0	7.2	4.4	80.0	28.1	Wave	3	3.5	2.4	0.4	Carbon
WWS 28×22×7.2×3	28	22.0	7.2	4.4	80.0	28.1	Wave	3	3.5	2.4	0.4	Stainless
WWM 28×22×9.7×4	28	22.0	9.7	5.8	80.0	21.0	Wave	4	3.5	2.4	0.4	Carbon
WWS 28×22×9.7×4	28	22.0	9.7	5.8	80.0	21.0	Wave	4	3.5	2.4	0.4	Stainless
WWM 28×22×12.1×5	28	22.0	12.1	7.3	80.0	16.8	Wave	5	3.5	2.4	0.4	Carbon
WWS 28×22×12.1×5	28	22.0	12.1	7.3	80.0	16.8	Wave	5	3.5	2.4	0.4	Stainless
WWM 28×22×14.5×6	28	22.0	14.5	8.8	80.0	14.1	Wave	6	3.5	2.4	0.4	Carbon

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWS 28×22×14.5×6	28	22.0	14.5	8.8	80.0	14.1	Wave	6	3.5	2.4	0.4	Stainless
WWM 28×22×16.9×7	28	22.0	16.9	10.2	80.0	12.0	Wave	7	3.5	2.4	0.4	Carbon
WWS 28×22×16.9×7	28	22.0	16.9	10.2	80.0	12.0	Wave	7	3.5	2.4	0.4	Stainless
WWM 28×22×19.3×8	28	22.0	19.3	11.7	80.0	10.5	Wave	8	3.5	2.4	0.4	Carbon
WWS 28×22×19.3×8	28	22.0	19.3	11.7	80.0	10.5	Wave	8	3.5	2.4	0.4	Stainless
WWM 28×22×21.7×9	28	22.0	21.7	13.2	80.0	9.4	Wave	9	3.5	2.4	0.4	Carbon
WWS 28×22×21.7×9	28	22.0	21.7	13.2	80.0	9.4	Wave	9	3.5	2.4	0.4	Stainless
WWM 28×22×26.5×11	28	22.0	26.5	16.1	80.0	7.7	Wave	11	3.5	2.4	0.4	Carbon
WWS 28×22×26.5×11	28	22.0	26.5	16.1	80.0	7.7	Wave	11	3.5	2.4	0.4	Stainless
WWM 28×22×31.4×13	28	22.0	31.4	19.0	80.0	6.5	Wave	13	3.5	2.4	0.4	Carbon
WWS 28×22×31.4×13	28	22.0	31.4	19.0	80.0	6.5	Wave	13	3.5	2.4	0.4	Stainless
WWM 28×22×7.2×3	28	22.0	7.2	4.6	130.0	48.7	Wave	3	3.5	2.4	0.5	Carbon
WWS 28×22×7.2×3	28	22.0	7.2	4.6	130.0	48.7	Wave	3	3.5	2.4	0.5	Stainless
WWM 28×22×9.7×4	28	22.0	9.7	6.1	130.0	36.3	Wave	4	3.5	2.4	0.5	Carbon
WWS 28×22×9.7×4	28	22.0	9.7	6.1	130.0	36.3	Wave	4	3.5	2.4	0.5	Stainless
WWM 28×22×12.1×5	28	22.0	12.1	7.6	130.0	29.0	Wave	5	3.5	2.4	0.5	Carbon
WWS 28×22×12.1×5	28	22.0	12.1	7.6	130.0	29.0	Wave	5	3.5	2.4	0.5	Stainless
WWM 28×22×14.5×6	28	22.0	14.5	9.1	130.0	24.3	Wave	6	3.5	2.4	0.5	Carbon
WWS 28×22×14.5×6	28	22.0	14.5	9.1	130.0	24.3	Wave	6	3.5	2.4	0.5	Stainless
WWM 28×22×16.9×7	28	22.0	16.9	10.6	130.0	20.8	Wave	7	3.5	2.4	0.5	Carbon
WWS 28×22×16.9×7	28	22.0	16.9	10.6	130.0	20.8	Wave	7	3.5	2.4	0.5	Stainless
WWM 28×22×19.3×8	28	22.0	19.3	12.2	130.0	18.2	Wave	8	3.5	2.4	0.5	Carbon
WWS 28×22×19.3×8	28	22.0	19.3	12.2	130.0	18.2	Wave	8	3.5	2.4	0.5	Stainless
WWM 28×22×21.7×9	28	22.0	21.7	13.7	130.0	16.2	Wave	9	3.5	2.4	0.5	Carbon
WWS 28×22×21.7×9	28	22.0	21.7	13.7	130.0	16.2	Wave	9	3.5	2.4	0.5	Stainless
WWM 28×22×26.5×11	28	22.0	26.5	16.7	130.0	13.2	Wave	11	3.5	2.4	0.5	Carbon
WWS 28×22×26.5×11	28	22.0	26.5	16.7	130.0	13.2	Wave	11	3.5	2.4	0.5	Stainless
WWM 28×22×31.4×13	28	22.0	31.4	19.8	130.0	11.2	Wave	13	3.5	2.4	0.5	Carbon
WWS 28×22×31.4×13	28	22.0	31.4	19.8	130.0	11.2	Wave	13	3.5	2.4	0.5	Stainless
WWM 30×24×7.6×3	30	24.0	7.6	3.2	50.0	11.3	Wave	3	3.5	2.4	0.3	Carbon
WWS 30×24×7.6×3	30	24.0	7.6	3.2	50.0	11.3	Wave	3	3.5	2.4	0.3	Stainless
WWM 30×24×10.2×4	30	24.0	10.2	4.2	50.0	8.4	Wave	4	3.5	2.4	0.3	Carbon
WWS 30×24×10.2×4	30	24.0	10.2	4.2	50.0	8.4	Wave	4	3.5	2.4	0.3	Stainless
WWM 30×24×12.7×5	30	24.0	12.7	5.3	50.0	6.7	Wave	5	3.5	2.4	0.3	Carbon
WWS 30×24×12.7×5	30	24.0	12.7	5.3	50.0	6.7	Wave	5	3.5	2.4	0.3	Stainless
WWM 30×24×15.2×6	30	24.0	15.2	6.3	50.0	5.6	Wave	6	3.5	2.4	0.3	Carbon
WWS 30×24×15.2×6	30	24.0	15.2	6.3	50.0	5.6	Wave	6	3.5	2.4	0.3	Stainless
WWM 30×24×17.8×7	30	24.0	17.8	7.4	50.0	4.8	Wave	7	3.5	2.4	0.3	Carbon
WWS 30×24×17.8×7	30	24.0	17.8	7.4	50.0	4.8	Wave	7	3.5	2.4	0.3	Stainless

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 30×24×20.3×8	30	24.0	20.3	8.4	50.0	4.2	Wave	8	3.5	2.4	0.3	Carbon
WWS 30×24×20.3×8	30	24.0	20.3	8.4	50.0	4.2	Wave	8	3.5	2.4	0.3	Stainless
WWM 30×24×22.9×9	30	24.0	22.9	9.5	50.0	3.7	Wave	9	3.5	2.4	0.3	Carbon
WWS 30×24×22.9×9	30	24.0	22.9	9.5	50.0	3.7	Wave	9	3.5	2.4	0.3	Stainless
WWM 30×24×27.9×11	30	24.0	27.9	11.6	50.0	3.1	Wave	11	3.5	2.4	0.3	Carbon
WWS 30×24×27.9×11	30	24.0	27.9	11.6	50.0	3.1	Wave	11	3.5	2.4	0.3	Stainless
WWM 30×24×33×13	30	24.0	33.0	13.7	50.0	2.6	Wave	13	3.5	2.4	0.3	Carbon
WWS 30×24×33×13	30	24.0	33.0	13.7	50.0	2.6	Wave	13	3.5	2.4	0.3	Stainless
WWM 30×24×7.6×3	30	24.0	7.6	3.5	90.0	21.9	Wave	3	3.5	2.4	0.4	Carbon
WWS 30×24×7.6×3	30	24.0	7.6	3.5	90.0	21.9	Wave	3	3.5	2.4	0.4	Stainless
WWM 30×24×10.2×4	30	24.0	10.2	4.7	90.0	16.5	Wave	4	3.5	2.4	0.4	Carbon
WWS 30×24×10.2×4	30	24.0	10.2	4.7	90.0	16.5	Wave	4	3.5	2.4	0.4	Stainless
WWM 30×24×12.7×5	30	24.0	12.7	5.9	90.0	13.2	Wave	5	3.5	2.4	0.4	Carbon
WWS 30×24×12.7×5	30	24.0	12.7	5.9	90.0	13.2	Wave	5	3.5	2.4	0.4	Stainless
WWM 30×24×15.2×6	30	24.0	15.2	7.0	90.0	11.0	Wave	6	3.5	2.4	0.4	Carbon
WWS 30×24×15.2×6	30	24.0	15.2	7.0	90.0	11.0	Wave	6	3.5	2.4	0.4	Stainless
WWM 30×24×17.8×7	30	24.0	17.8	8.2	90.0	9.4	Wave	7	3.5	2.4	0.4	Carbon
WWS 30×24×17.8×7	30	24.0	17.8	8.2	90.0	9.4	Wave	7	3.5	2.4	0.4	Stainless
WWM 30×24×20.3×8	30	24.0	20.3	9.4	90.0	8.2	Wave	8	3.5	2.4	0.4	Carbon
WWS 30×24×20.3×8	30	24.0	20.3	9.4	90.0	8.2	Wave	8	3.5	2.4	0.4	Stainless
WWM 30×24×22.9×9	30	24.0	22.9	10.5	90.0	7.3	Wave	9	3.5	2.4	0.4	Carbon
WWS 30×24×22.9×9	30	24.0	22.9	10.5	90.0	7.3	Wave	9	3.5	2.4	0.4	Stainless
WWM 30×24×27.9×11	30	24.0	27.9	12.9	90.0	6.0	Wave	11	3.5	2.4	0.4	Carbon
WWS 30×24×27.9×11	30	24.0	27.9	12.9	90.0	6.0	Wave	11	3.5	2.4	0.4	Stainless
WWM 30×24×33×13	30	24.0	33.0	15.2	90.0	5.1	Wave	13	3.5	2.4	0.4	Carbon
WWS 30×24×33×13	30	24.0	33.0	15.2	90.0	5.1	Wave	13	3.5	2.4	0.4	Stainless
WWM 30×24×7.6×3	30	24.0	7.6	4.2	130.0	37.9	Wave	3	3.5	2.4	0.5	Carbon
WWS 30×24×7.6×3	30	24.0	7.6	4.2	130.0	37.9	Wave	3	3.5	2.4	0.5	Stainless
WWM 30×24×10.2×4	30	24.0	10.2	5.6	130.0	28.5	Wave	4	3.5	2.4	0.5	Carbon
WWS 30×24×10.2×4	30	24.0	10.2	5.6	130.0	28.5	Wave	4	3.5	2.4	0.5	Stainless
WWM 30×24×12.7×5	30	24.0	12.7	7.0	130.0	22.8	Wave	5	3.5	2.4	0.5	Carbon
WWS 30×24×12.7×5	30	24.0	12.7	7.0	130.0	22.8	Wave	5	3.5	2.4	0.5	Stainless
WWM 30×24×15.2×6	30	24.0	15.2	8.4	130.0	19.0	Wave	6	3.5	2.4	0.5	Carbon
WWS 30×24×15.2×6	30	24.0	15.2	8.4	130.0	19.0	Wave	6	3.5	2.4	0.5	Stainless
WWM 30×24×17.8×7	30	24.0	17.8	9.8	130.0	16.3	Wave	7	3.5	2.4	0.5	Carbon
WWS 30×24×17.8×7	30	24.0	17.8	9.8	130.0	16.3	Wave	7	3.5	2.4	0.5	Stainless
WWM 30×24×20.3×8	30	24.0	20.3	11.2	130.0	14.2	Wave	8	3.5	2.4	0.5	Carbon
WWS 30×24×20.3×8	30	24.0	20.3	11.2	130.0	14.2	Wave	8	3.5	2.4	0.5	Stainless
WWM 30×24×22.9×9	30	24.0	22.9	12.6	130.0	12.6	Wave	9	3.5	2.4	0.5	Carbon

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWS 30×24×22.9×9	30	24.0	22.9	12.6	130.0	12.6	Wave	9	3.5	2.4	0.5	Stainless
WWM 30×24×27.9×11	30	24.0	27.9	15.4	130.0	10.3	Wave	11	3.5	2.4	0.5	Carbon
WWS 30×24×27.9×11	30	24.0	27.9	15.4	130.0	10.3	Wave	11	3.5	2.4	0.5	Stainless
WWM 30×24×33×13	30	24.0	33.0	18.2	130.0	8.8	Wave	13	3.5	2.4	0.5	Carbon
WWS 30×24×33×13	30	24.0	33.0	18.2	130.0	8.8	Wave	13	3.5	2.4	0.5	Stainless
WWM 35×27×8.4×3	35	27.0	8.4	3.9	70.0	15.8	Wave	3	3.5	3.2	0.4	Carbon
WWS 35×27×8.4×3	35	27.0	8.4	3.9	70.0	15.8	Wave	3	3.5	3.2	0.4	Stainless
WWM 35×27×11.2×4	35	27.0	11.2	5.2	70.0	11.8	Wave	4	3.5	3.2	0.4	Carbon
WWS 35×27×11.2×4	35	27.0	11.2	5.2	70.0	11.8	Wave	4	3.5	3.2	0.4	Stainless
WWM 35×27×14×5	35	27.0	14.0	6.6	70.0	9.4	Wave	5	3.5	3.2	0.4	Carbon
WWS 35×27×14×5	35	27.0	14.0	6.6	70.0	9.4	Wave	5	3.5	3.2	0.4	Stainless
WWM 35×27×16.8×6	35	27.0	16.8	7.9	70.0	7.9	Wave	6	3.5	3.2	0.4	Carbon
WWS 35×27×16.8×6	35	27.0	16.8	7.9	70.0	7.9	Wave	6	3.5	3.2	0.4	Stainless
WWM 35×27×19.6×7	35	27.0	19.6	9.2	70.0	6.7	Wave	7	3.5	3.2	0.4	Carbon
WWS 35×27×19.6×7	35	27.0	19.6	9.2	70.0	6.7	Wave	7	3.5	3.2	0.4	Stainless
WWM 35×27×22.4×8	35	27.0	22.4	10.5	70.0	5.9	Wave	8	3.5	3.2	0.4	Carbon
WWS 35×27×22.4×8	35	27.0	22.4	10.5	70.0	5.9	Wave	8	3.5	3.2	0.4	Stainless
WWM 35×27×25.2×9	35	27.0	25.2	11.8	70.0	5.3	Wave	9	3.5	3.2	0.4	Carbon
WWS 35×27×25.2×9	35	27.0	25.2	11.8	70.0	5.3	Wave	9	3.5	3.2	0.4	Stainless
WWM 35×27×30.7×11	35	27.0	30.7	14.4	70.0	4.3	Wave	11	3.5	3.2	0.4	Carbon
WWS 35×27×30.7×11	35	27.0	30.7	14.4	70.0	4.3	Wave	11	3.5	3.2	0.4	Stainless
WWM 35×27×36.3×13	35	27.0	36.3	17.0	70.0	3.6	Wave	13	3.5	3.2	0.4	Carbon
WWS 35×27×36.3×13	35	27.0	36.3	17.0	70.0	3.6	Wave	13	3.5	3.2	0.4	Stainless
WWM 35×27×8.4×3	35	27.0	8.4	4.1	110.0	25.9	Wave	3	3.5	3.4	0.4	Carbon
WWS 35×27×8.4×3	35	27.0	8.4	4.1	110.0	25.9	Wave	3	3.5	3.4	0.4	Stainless
WWM 35×27×11.2×4	35	27.0	11.2	5.5	110.0	19.4	Wave	4	3.5	3.4	0.4	Carbon
WWS 35×27×11.2×4	35	27.0	11.2	5.5	110.0	19.4	Wave	4	3.5	3.4	0.4	Stainless
WWM 35×27×14×5	35	27.0	14.0	6.9	110.0	15.5	Wave	5	3.5	3.4	0.4	Carbon
WWS 35×27×14×5	35	27.0	14.0	6.9	110.0	15.5	Wave	5	3.5	3.4	0.4	Stainless
WWM 35×27×16.8×6	35	27.0	16.8	8.3	110.0	12.9	Wave	6	3.5	3.4	0.4	Carbon
WWS 35×27×16.8×6	35	27.0	16.8	8.3	110.0	12.9	Wave	6	3.5	3.4	0.4	Stainless
WWM 35×27×19.6×7	35	27.0	19.6	9.6	110.0	11.1	Wave	7	3.5	3.4	0.4	Carbon
WWS 35×27×19.6×7	35	27.0	19.6	9.6	110.0	11.1	Wave	7	3.5	3.4	0.4	Stainless
WWM 35×27×22.4×8	35	27.0	22.4	11.0	110.0	9.7	Wave	8	3.5	3.4	0.4	Carbon
WWS 35×27×22.4×8	35	27.0	22.4	11.0	110.0	9.7	Wave	8	3.5	3.4	0.4	Stainless
WWM 35×27×25.2×9	35	27.0	25.2	12.4	110.0	8.6	Wave	9	3.5	3.4	0.4	Carbon
WWS 35×27×25.2×9	35	27.0	25.2	12.4	110.0	8.6	Wave	9	3.5	3.4	0.4	Stainless
WWM 35×27×30.7×11	35	27.0	30.7	15.1	110.0	7.1	Wave	11	3.5	3.4	0.4	Carbon
WWS 35×27×30.7×11	35	27.0	30.7	15.1	110.0	7.1	Wave	11	3.5	3.4	0.4	Stainless

OD:Outer Diameter, < Hole
ID:Inner Diameter, > Road
Load = Rate X Deflection
Material:Carbon Steel
/SUS 302/SUS304
/SUS631/17-7PH



SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 35×27×36.3×13	35	27.0	36.3	17.9	110.0	6.0	Wave	13	3.5	3.4	0.4	Carbon
WWS 35×27×36.3×13	35	27.0	36.3	17.9	110.0	6.0	Wave	13	3.5	3.4	0.4	Stainless
WWM 35×27×8.4×3	35	27.0	8.4	4.0	160.0	36.9	Wave	3	3.5	3.4	0.5	Carbon
WWS 35×27×8.4×3	35	27.0	8.4	4.0	160.0	36.9	Wave	3	3.5	3.4	0.5	Stainless
WWM 35×27×11.2×4	35	27.0	11.2	5.4	160.0	27.6	Wave	4	3.5	3.4	0.5	Carbon
WWS 35×27×11.2×4	35	27.0	11.2	5.4	160.0	27.6	Wave	4	3.5	3.4	0.5	Stainless
WWM 35×27×14×5	35	27.0	14.0	6.7	160.0	22.1	Wave	5	3.5	3.4	0.5	Carbon
WWS 35×27×14×5	35	27.0	14.0	6.7	160.0	22.1	Wave	5	3.5	3.4	0.5	Stainless
WWM 35×27×16.8×6	35	27.0	16.8	8.1	160.0	18.4	Wave	6	3.5	3.4	0.5	Carbon
WWS 35×27×16.8×6	35	27.0	16.8	8.1	160.0	18.4	Wave	6	3.5	3.4	0.5	Stainless
WWM 35×27×19.6×7	35	27.0	19.6	9.4	160.0	15.8	Wave	7	3.5	3.4	0.5	Carbon
WWS 35×27×19.6×7	35	27.0	19.6	9.4	160.0	15.8	Wave	7	3.5	3.4	0.5	Stainless
WWM 35×27×22.4×8	35	27.0	22.4	10.8	160.0	13.8	Wave	8	3.5	3.4	0.5	Carbon
WWS 35×27×22.4×8	35	27.0	22.4	10.8	160.0	13.8	Wave	8	3.5	3.4	0.5	Stainless
WWM 35×27×25.2×9	35	27.0	25.2	12.1	160.0	12.3	Wave	9	3.5	3.4	0.5	Carbon
WWS 35×27×25.2×9	35	27.0	25.2	12.1	160.0	12.3	Wave	9	3.5	3.4	0.5	Stainless
WWM 35×27×30.7×11	35	27.0	30.7	14.8	160.0	10.1	Wave	11	3.5	3.4	0.5	Carbon
WWS 35×27×30.7×11	35	27.0	30.7	14.8	160.0	10.1	Wave	11	3.5	3.4	0.5	Stainless
WWM 35×27×36.3×13	35	27.0	36.3	17.5	160.0	8.5	Wave	13	3.5	3.4	0.5	Carbon
WWS 35×27×36.3×13	35	27.0	36.3	17.5	160.0	8.5	Wave	13	3.5	3.4	0.5	Stainless
WWM 40×30×9.1×3	40	30.0	9.1	2.9	100.0	16.0	Wave	3	3.5	3.4	0.4	Carbon
WWS 40×30×9.1×3	40	30.0	9.1	2.9	100.0	16.0	Wave	3	3.5	3.4	0.4	Stainless
WWM 40×30×12.2×4	40	30.0	12.2	3.9	100.0	12.0	Wave	4	3.5	3.4	0.4	Carbon
WWS 40×30×12.2×4	40	30.0	12.2	3.9	100.0	12.0	Wave	4	3.5	3.4	0.4	Stainless
WWM 40×30×15.2×5	40	30.0	15.2	4.8	100.0	9.6	Wave	5	3.5	3.4	0.4	Carbon
WWS 40×30×15.2×5	40	30.0	15.2	4.8	100.0	9.6	Wave	5	3.5	3.4	0.4	Stainless
WWM 40×30×18.3×6	40	30.0	18.3	5.8	100.0	8.0	Wave	6	3.5	3.4	0.4	Carbon
WWS 40×30×18.3×6	40	30.0	18.3	5.8	100.0	8.0	Wave	6	3.5	3.4	0.4	Stainless
WWM 40×30×21.3×7	40	30.0	21.3	6.7	100.0	6.8	Wave	7	3.5	3.4	0.4	Carbon
WWS 40×30×21.3×7	40	30.0	21.3	6.7	100.0	6.8	Wave	7	3.5	3.4	0.4	Stainless
WWM 40×30×24.4×8	40	30.0	24.4	7.7	100.0	6.0	Wave	8	3.5	3.4	0.4	Carbon
WWS 40×30×24.4×8	40	30.0	24.4	7.7	100.0	6.0	Wave	8	3.5	3.4	0.4	Stainless
WWM 40×30×27.4×9	40	30.0	27.4	8.7	100.0	5.3	Wave	9	3.5	3.4	0.4	Carbon
WWS 40×30×27.4×9	40	30.0	27.4	8.7	100.0	5.3	Wave	9	3.5	3.4	0.4	Stainless
WWM 40×30×33.5×11	40	30.0	33.5	10.6	100.0	4.4	Wave	11	3.5	3.4	0.4	Carbon
WWS 40×30×33.5×11	40	30.0	33.5	10.6	100.0	4.4	Wave	11	3.5	3.4	0.4	Stainless
WWM 40×30×39.6×13	40	30.0	39.6	12.5	100.0	3.7	Wave	13	3.5	3.4	0.4	Carbon
WWS 40×30×39.6×13	40	30.0	39.6	12.5	100.0	3.7	Wave	13	3.5	3.4	0.4	Stainless
WWM 40×30×9.1×3	40	30.0	9.1	5.4	150.0	40.5	Wave	3	3.5	3.6	0.5	Carbon

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Load = Rate X Deflection
Material:Carbon Steel
/SUS 302/SUS304
/SUS631/17-7PH

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWS 40×30×9.1×3	40	30.0	9.1	5.4	150.0	40.5	Wave	3	3.5	3.6	0.5	Stainless
WWM 40×30×12.2×4	40	30.0	12.2	7.2	150.0	30.3	Wave	4	3.5	3.6	0.5	Carbon
WWS 40×30×12.2×4	40	30.0	12.2	7.2	150.0	30.3	Wave	4	3.5	3.6	0.5	Stainless
WWM 40×30×15.2×5	40	30.0	15.2	9.0	150.0	24.2	Wave	5	3.5	3.6	0.5	Carbon
WWS 40×30×15.2×5	40	30.0	15.2	9.0	150.0	24.2	Wave	5	3.5	3.6	0.5	Stainless
WWM 40×30×18.3×6	40	30.0	18.3	10.9	150.0	20.2	Wave	6	3.5	3.6	0.5	Carbon
WWS 40×30×18.3×6	40	30.0	18.3	10.9	150.0	20.2	Wave	6	3.5	3.6	0.5	Stainless
WWM 40×30×21.3×7	40	30.0	21.3	12.7	150.0	17.3	Wave	7	3.5	3.6	0.5	Carbon
WWS 40×30×21.3×7	40	30.0	21.3	12.7	150.0	17.3	Wave	7	3.5	3.6	0.5	Stainless
WWM 40×30×24.4×8	40	30.0	24.4	14.5	150.0	15.2	Wave	8	3.5	3.6	0.5	Carbon
WWS 40×30×24.4×8	40	30.0	24.4	14.5	150.0	15.2	Wave	8	3.5	3.6	0.5	Stainless
WWM 40×30×27.4×9	40	30.0	27.4	16.3	150.0	13.5	Wave	9	3.5	3.6	0.5	Carbon
WWS 40×30×27.4×9	40	30.0	27.4	16.3	150.0	13.5	Wave	9	3.5	3.6	0.5	Stainless
WWM 40×30×33.5×11	40	30.0	33.5	19.9	150.0	11.0	Wave	11	3.5	3.6	0.5	Carbon
WWS 40×30×33.5×11	40	30.0	33.5	19.9	150.0	11.0	Wave	11	3.5	3.6	0.5	Stainless
WWM 40×30×39.6×13	40	30.0	39.6	23.5	150.0	9.3	Wave	13	3.5	3.6	0.5	Carbon
WWS 40×30×39.6×13	40	30.0	39.6	23.5	150.0	9.3	Wave	13	3.5	3.6	0.5	Stainless
WWM 40×30×9.1×3	40	30.0	9.1	5.7	300.0	86.2	Wave	3	4.5	3.4	0.5	Carbon
WWS 40×30×9.1×3	40	30.0	9.1	5.7	300.0	86.2	Wave	3	4.5	3.4	0.5	Stainless
WWM 40×30×12.2×4	40	30.0	12.2	7.5	300.0	64.5	Wave	4	4.5	3.4	0.5	Carbon
WWS 40×30×12.2×4	40	30.0	12.2	7.5	300.0	64.5	Wave	4	4.5	3.4	0.5	Stainless
WWM 40×30×15.2×5	40	30.0	15.2	9.4	300.0	51.6	Wave	5	4.5	3.4	0.5	Carbon
WWS 40×30×15.2×5	40	30.0	15.2	9.4	300.0	51.6	Wave	5	4.5	3.4	0.5	Stainless
WWM 40×30×18.3×6	40	30.0	18.3	11.3	300.0	43.1	Wave	6	4.5	3.4	0.5	Carbon
WWS 40×30×18.3×6	40	30.0	18.3	11.3	300.0	43.1	Wave	6	4.5	3.4	0.5	Stainless
WWM 40×30×21.3×7	40	30.0	21.3	13.2	300.0	36.9	Wave	7	4.5	3.4	0.5	Carbon
WWS 40×30×21.3×7	40	30.0	21.3	13.2	300.0	36.9	Wave	7	4.5	3.4	0.5	Stainless
WWM 40×30×24.4×8	40	30.0	24.4	15.1	300.0	32.3	Wave	8	4.5	3.4	0.5	Carbon
WWS 40×30×24.4×8	40	30.0	24.4	15.1	300.0	32.3	Wave	8	4.5	3.4	0.5	Stainless
WWM 40×30×27.4×9	40	30.0	27.4	17.0	300.0	28.7	Wave	9	4.5	3.4	0.5	Carbon
WWS 40×30×27.4×9	40	30.0	27.4	17.0	300.0	28.7	Wave	9	4.5	3.4	0.5	Stainless
WWM 40×30×33.5×11	40	30.0	33.5	20.8	300.0	23.5	Wave	11	4.5	3.4	0.5	Carbon
WWS 40×30×33.5×11	40	30.0	33.5	20.8	300.0	23.5	Wave	11	4.5	3.4	0.5	Stainless
WWM 40×30×39.6×13	40	30.0	39.6	24.5	300.0	19.9	Wave	13	4.5	3.4	0.5	Carbon
WWS 40×30×39.6×13	40	30.0	39.6	24.5	300.0	19.9	Wave	13	4.5	3.4	0.5	Stainless
WWM 45×35×9.9×3	45	35.0	9.9	3.4	110.0	16.9	Wave	3	3.5	3.6	0.5	Carbon
WWS 45×35×9.9×3	45	35.0	9.9	3.4	110.0	16.9	Wave	3	3.5	3.6	0.5	Stainless
WWM 45×35×13.2×4	45	35.0	13.2	4.5	110.0	12.7	Wave	4	3.5	3.6	0.5	Carbon
WWS 45×35×13.2×4	45	35.0	13.2	4.5	110.0	12.7	Wave	4	3.5	3.6	0.5	Stainless

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 45×35×16.5×5	45	35.0	16.5	5.6	110.0	10.1	Wave	5	3.5	3.6	0.5	Carbon
WWS 45×35×16.5×5	45	35.0	16.5	5.6	110.0	10.1	Wave	5	3.5	3.6	0.5	Stainless
WWM 45×35×19.8×6	45	35.0	19.8	6.8	110.0	8.4	Wave	6	3.5	3.6	0.5	Carbon
WWS 45×35×19.8×6	45	35.0	19.8	6.8	110.0	8.4	Wave	6	3.5	3.6	0.5	Stainless
WWM 45×35×23.1×7	45	35.0	23.1	7.9	110.0	7.2	Wave	7	3.5	3.6	0.5	Carbon
WWS 45×35×23.1×7	45	35.0	23.1	7.9	110.0	7.2	Wave	7	3.5	3.6	0.5	Stainless
WWM 45×35×26.4×8	45	35.0	26.4	9.0	110.0	6.3	Wave	8	3.5	3.6	0.5	Carbon
WWS 45×35×26.4×8	45	35.0	26.4	9.0	110.0	6.3	Wave	8	3.5	3.6	0.5	Stainless
WWM 45×35×29.7×9	45	35.0	29.7	10.2	110.0	5.6	Wave	9	3.5	3.6	0.5	Carbon
WWS 45×35×29.7×9	45	35.0	29.7	10.2	110.0	5.6	Wave	9	3.5	3.6	0.5	Stainless
WWM 45×35×36.3×11	45	35.0	36.3	12.4	110.0	4.6	Wave	11	3.5	3.6	0.5	Carbon
WWS 45×35×36.3×11	45	35.0	36.3	12.4	110.0	4.6	Wave	11	3.5	3.6	0.5	Stainless
WWM 45×35×42.9×13	45	35.0	42.9	14.7	110.0	3.9	Wave	13	3.5	3.6	0.5	Carbon
WWS 45×35×42.9×13	45	35.0	42.9	14.7	110.0	3.9	Wave	13	3.5	3.6	0.5	Stainless
WWM 45×35×9.9×3	45	35.0	9.9	5.3	225.0	49.1	Wave	3	4.5	3.6	0.5	Carbon
WWS 45×35×9.9×3	45	35.0	9.9	5.3	225.0	49.1	Wave	3	4.5	3.6	0.5	Stainless
WWM 45×35×13.2×4	45	35.0	13.2	7.0	225.0	36.2	Wave	4	4.5	3.6	0.5	Carbon
WWS 45×35×13.2×4	45	35.0	13.2	7.0	225.0	36.2	Wave	4	4.5	3.6	0.5	Stainless
WWM 45×35×16.5×5	45	35.0	16.5	9.1	225.0	30.5	Wave	5	4.5	3.6	0.5	Carbon
WWS 45×35×16.5×5	45	35.0	16.5	9.1	225.0	30.5	Wave	5	4.5	3.6	0.5	Stainless
WWM 45×35×19.8×6	45	35.0	19.8	10.8	225.0	25.0	Wave	6	4.5	3.6	0.5	Carbon
WWS 45×35×19.8×6	45	35.0	19.8	10.8	225.0	25.0	Wave	6	4.5	3.6	0.5	Stainless
WWM 45×35×23.1×7	45	35.0	23.1	12.7	225.0	21.6	Wave	7	4.5	3.6	0.5	Carbon
WWS 45×35×23.1×7	45	35.0	23.1	12.7	225.0	21.6	Wave	7	4.5	3.6	0.5	Stainless
WWM 45×35×26.4×8	45	35.0	26.4	14.5	225.0	18.8	Wave	8	4.5	3.6	0.5	Carbon
WWS 45×35×26.4×8	45	35.0	26.4	14.5	225.0	18.8	Wave	8	4.5	3.6	0.5	Stainless
WWM 45×35×29.7×9	45	35.0	29.7	16.3	225.0	16.7	Wave	9	4.5	3.6	0.5	Carbon
WWS 45×35×29.7×9	45	35.0	29.7	16.3	225.0	16.7	Wave	9	4.5	3.6	0.5	Stainless
WWM 45×35×36.3×11	45	35.0	36.3	19.8	225.0	13.6	Wave	11	4.5	3.6	0.5	Carbon
WWS 45×35×36.3×11	45	35.0	36.3	19.8	225.0	13.6	Wave	11	4.5	3.6	0.5	Stainless
WWM 45×35×42.9×13	45	35.0	42.9	23.4	225.0	11.5	Wave	13	4.5	3.6	0.5	Carbon
WWS 45×35×42.9×13	45	35.0	42.9	23.4	225.0	11.5	Wave	13	4.5	3.6	0.5	Stainless
WWM 45×35×9.9×3	45	35.0	9.9	6.4	400.0	114.9	Wave	3	4.5	3.8	0.6	Carbon
WWS 45×35×9.9×3	45	35.0	9.9	6.4	400.0	114.9	Wave	3	4.5	3.8	0.6	Stainless
WWM 45×35×13.2×4	45	35.0	13.2	8.4	400.0	82.8	Wave	4	4.5	3.8	0.6	Carbon
WWS 45×35×13.2×4	45	35.0	13.2	8.4	400.0	82.8	Wave	4	4.5	3.8	0.6	Stainless
WWM 45×35×16.5×5	45	35.0	16.5	11.2	400.0	75.3	Wave	5	4.5	3.8	0.6	Carbon
WWS 45×35×16.5×5	45	35.0	16.5	11.2	400.0	75.3	Wave	5	4.5	3.8	0.6	Stainless
WWM 45×35×19.8×6	45	35.0	19.8	13.0	400.0	58.3	Wave	6	4.5	3.8	0.6	Carbon

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWS 45×35×19.8×6	45	35.0	19.8	13.0	400.0	58.3	Wave	6	4.5	3.8	0.6	Stainless
WWM 45×35×23.1×7	45	35.0	23.1	15.4	400.0	51.7	Wave	7	4.5	3.8	0.6	Carbon
WWS 45×35×23.1×7	45	35.0	23.1	15.4	400.0	51.7	Wave	7	4.5	3.8	0.6	Stainless
WWM 45×35×26.4×8	45	35.0	26.4	17.3	400.0	43.7	Wave	8	4.5	3.8	0.6	Carbon
WWS 45×35×26.4×8	45	35.0	26.4	17.3	400.0	43.7	Wave	8	4.5	3.8	0.6	Stainless
WWM 45×35×29.7×9	45	35.0	29.7	19.7	400.0	39.8	Wave	9	4.5	3.8	0.6	Carbon
WWS 45×35×29.7×9	45	35.0	29.7	19.7	400.0	39.8	Wave	9	4.5	3.8	0.6	Stainless
WWM 45×35×36.3×11	45	35.0	36.3	24.3	400.0	33.2	Wave	11	4.5	3.8	0.6	Carbon
WWS 45×35×36.3×11	45	35.0	36.3	24.3	400.0	33.2	Wave	11	4.5	3.8	0.6	Stainless
WWM 45×35×42.9×13	45	35.0	42.9	28.5	400.0	27.6	Wave	13	4.5	3.8	0.6	Carbon
WWS 45×35×42.9×13	45	35.0	42.9	28.5	400.0	27.6	Wave	13	4.5	3.8	0.6	Stainless
WWM 50×40×10.3×3	50	40.0	10.3	4.8	110.0	20.2	Wave	3	3.5	3.6	0.5	Carbon
WWS 50×40×10.3×3	50	40.0	10.3	4.8	110.0	20.2	Wave	3	3.5	3.6	0.5	Stainless
WWM 50×40×13.7×4	50	40.0	13.7	6.1	110.0	14.4	Wave	4	3.5	3.6	0.5	Carbon
WWS 50×40×13.7×4	50	40.0	13.7	6.1	110.0	14.4	Wave	4	3.5	3.6	0.5	Stainless
WWM 50×40×17.2×5	50	40.0	17.2	7.9	110.0	11.9	Wave	5	3.5	3.6	0.5	Carbon
WWS 50×40×17.2×5	50	40.0	17.2	7.9	110.0	11.9	Wave	5	3.5	3.6	0.5	Stainless
WWM 50×40×20.6×6	50	40.0	20.6	9.4	110.0	9.9	Wave	6	3.5	3.6	0.5	Carbon
WWS 50×40×20.6×6	50	40.0	20.6	9.4	110.0	9.9	Wave	6	3.5	3.6	0.5	Stainless
WWM 50×40×24×7	50	40.0	24.0	11.3	110.0	8.7	Wave	7	3.5	3.6	0.5	Carbon
WWS 50×40×24×7	50	40.0	24.0	11.3	110.0	8.7	Wave	7	3.5	3.6	0.5	Stainless
WWM 50×40×27.4×8	50	40.0	27.4	12.7	110.0	7.5	Wave	8	3.5	3.6	0.5	Carbon
WWS 50×40×27.4×8	50	40.0	27.4	12.7	110.0	7.5	Wave	8	3.5	3.6	0.5	Stainless
WWM 50×40×30.9×9	50	40.0	30.9	15.0	110.0	6.9	Wave	9	3.5	3.6	0.5	Carbon
WWS 50×40×30.9×9	50	40.0	30.9	15.0	110.0	6.9	Wave	9	3.5	3.6	0.5	Stainless
WWM 50×40×37.7×11	50	40.0	37.7	18.2	110.0	5.6	Wave	11	3.5	3.6	0.5	Carbon
WWS 50×40×37.7×11	50	40.0	37.7	18.2	110.0	5.6	Wave	11	3.5	3.6	0.5	Stainless
WWM 50×40×44.6×13	50	40.0	44.6	21.3	110.0	4.7	Wave	13	3.5	3.6	0.5	Carbon
WWS 50×40×44.6×13	50	40.0	44.6	21.3	110.0	4.7	Wave	13	3.5	3.6	0.5	Stainless
WWM 50×40×51.4×15	50	40.0	51.4	24.6	110.0	4.1	Wave	15	3.5	3.6	0.5	Carbon
WWS 50×40×51.4×15	50	40.0	51.4	24.6	110.0	4.1	Wave	15	3.5	3.6	0.5	Stainless
WWM 50×40×10.3×3	50	40.0	10.3	4.6	225.0	39.7	Wave	3	4.5	3.6	0.5	Carbon
WWS 50×40×10.3×3	50	40.0	10.3	4.6	225.0	39.7	Wave	3	4.5	3.6	0.5	Stainless
WWM 50×40×13.7×4	50	40.0	13.7	5.8	225.0	28.6	Wave	4	4.5	3.6	0.5	Carbon
WWS 50×40×13.7×4	50	40.0	13.7	5.8	225.0	28.6	Wave	4	4.5	3.6	0.5	Stainless
WWM 50×40×17.2×5	50	40.0	17.2	7.5	225.0	23.3	Wave	5	4.5	3.6	0.5	Carbon
WWS 50×40×17.2×5	50	40.0	17.2	7.5	225.0	23.3	Wave	5	4.5	3.6	0.5	Stainless
WWM 50×40×20.6×6	50	40.0	20.6	8.9	225.0	19.3	Wave	6	4.5	3.6	0.5	Carbon
WWS 50×40×20.6×6	50	40.0	20.6	8.9	225.0	19.3	Wave	6	4.5	3.6	0.5	Stainless

OD:Outer Diameter, < Hole
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Material:Carbon Steel
/SUS 302/SUS304
/SUS631/17-7PH



SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 50×40×24×7	50	40.0	24.0	10.5	225.0	16.7	Wave	7	4.5	3.6	0.5	Carbon
WWS 50×40×24×7	50	40.0	24.0	10.5	225.0	16.7	Wave	7	4.5	3.6	0.5	Stainless
WWM 50×40×27.4×8	50	40.0	27.4	11.9	225.0	14.5	Wave	8	4.5	3.6	0.5	Carbon
WWS 50×40×27.4×8	50	40.0	27.4	11.9	225.0	14.5	Wave	8	4.5	3.6	0.5	Stainless
WWM 50×40×30.9×9	50	40.0	30.9	13.6	225.0	13.0	Wave	9	4.5	3.6	0.5	Carbon
WWS 50×40×30.9×9	50	40.0	30.9	13.6	225.0	13.0	Wave	9	4.5	3.6	0.5	Stainless
WWM 50×40×37.7×11	50	40.0	37.7	16.7	225.0	10.7	Wave	11	4.5	3.6	0.5	Carbon
WWS 50×40×37.7×11	50	40.0	37.7	16.7	225.0	10.7	Wave	11	4.5	3.6	0.5	Stainless
WWM 50×40×44.6×13	50	40.0	44.6	19.6	225.0	9.0	Wave	13	4.5	3.6	0.5	Carbon
WWS 50×40×44.6×13	50	40.0	44.6	19.6	225.0	9.0	Wave	13	4.5	3.6	0.5	Stainless
WWM 50×40×51.4×15	50	40.0	51.4	22.5	225.0	7.8	Wave	15	4.5	3.6	0.5	Carbon
WWS 50×40×51.4×15	50	40.0	51.4	22.5	225.0	7.8	Wave	15	4.5	3.6	0.5	Stainless
WWM 50×40×10.3×3	50	40.0	10.3	5.9	400.0	91.5	Wave	3	4.5	3.8	0.6	Carbon
WWS 50×40×10.3×3	50	40.0	10.3	5.9	400.0	91.5	Wave	3	4.5	3.8	0.6	Stainless
WWM 50×40×13.7×4	50	40.0	13.7	7.8	400.0	67.6	Wave	4	4.5	3.8	0.6	Carbon
WWS 50×40×13.7×4	50	40.0	13.7	7.8	400.0	67.6	Wave	4	4.5	3.8	0.6	Stainless
WWM 50×40×17.2×5	50	40.0	17.2	10.2	400.0	57.2	Wave	5	4.5	3.8	0.6	Carbon
WWS 50×40×17.2×5	50	40.0	17.2	10.2	400.0	57.2	Wave	5	4.5	3.8	0.6	Stainless
WWM 50×40×20.6×6	50	40.0	20.6	11.8	400.0	45.6	Wave	6	4.5	3.8	0.6	Carbon
WWS 50×40×20.6×6	50	40.0	20.6	11.8	400.0	45.6	Wave	6	4.5	3.8	0.6	Stainless
WWM 50×40×24×7	50	40.0	24.0	14.2	400.0	40.6	Wave	7	4.5	3.8	0.6	Carbon
WWS 50×40×24×7	50	40.0	24.0	14.2	400.0	40.6	Wave	7	4.5	3.8	0.6	Stainless
WWM 50×40×27.4×8	50	40.0	27.4	15.6	400.0	33.9	Wave	8	4.5	3.8	0.6	Carbon
WWS 50×40×27.4×8	50	40.0	27.4	15.6	400.0	33.9	Wave	8	4.5	3.8	0.6	Stainless
WWM 50×40×30.9×9	50	40.0	30.9	17.9	400.0	30.9	Wave	9	4.5	3.8	0.6	Carbon
WWS 50×40×30.9×9	50	40.0	30.9	17.9	400.0	30.9	Wave	9	4.5	3.8	0.6	Stainless
WWM 50×40×37.7×11	50	40.0	37.7	21.5	400.0	24.7	Wave	11	4.5	3.8	0.6	Carbon
WWS 50×40×37.7×11	50	40.0	37.7	21.5	400.0	24.7	Wave	11	4.5	3.8	0.6	Stainless
WWM 50×40×44.6×13	50	40.0	44.6	25.7	400.0	21.1	Wave	13	4.5	3.8	0.6	Carbon
WWS 50×40×44.6×13	50	40.0	44.6	25.7	400.0	21.1	Wave	13	4.5	3.8	0.6	Stainless
WWM 50×40×51.4×15	50	40.0	51.4	29.2	400.0	18.0	Wave	15	4.5	3.8	0.6	Carbon
WWS 50×40×51.4×15	50	40.0	51.4	29.2	400.0	18.0	Wave	15	4.5	3.8	0.6	Stainless
WWM 55×45×11.1×3	55	45.0	11.1	5.6	125.0	22.9	Wave	3	3.5	3.8	0.6	Carbon
WWS 55×45×11.1×3	55	45.0	11.1	5.6	125.0	22.9	Wave	3	3.5	3.8	0.6	Stainless
WWM 55×45×14.7×4	55	45.0	14.7	7.7	125.0	17.8	Wave	4	3.5	3.8	0.6	Carbon
WWS 55×45×14.7×4	55	45.0	14.7	7.7	125.0	17.8	Wave	4	3.5	3.8	0.6	Stainless
WWM 55×45×18.4×5	55	45.0	18.4	9.7	125.0	14.3	Wave	5	3.5	3.8	0.6	Carbon
WWS 55×45×18.4×5	55	45.0	18.4	9.7	125.0	14.3	Wave	5	3.5	3.8	0.6	Stainless
WWM 55×45×22.1×6	55	45.0	22.1	11.5	125.0	11.8	Wave	6	3.5	3.8	0.6	Carbon

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWS 55×45×22.1×6	55	45.0	22.1	11.5	125.0	11.8	Wave	6	3.5	3.8	0.6	Stainless
WWM 55×45×25.8×7	55	45.0	25.8	13.9	125.0	10.5	Wave	7	3.5	3.8	0.6	Carbon
WWS 55×45×25.8×7	55	45.0	25.8	13.9	125.0	10.5	Wave	7	3.5	3.8	0.6	Stainless
WWM 55×45×29.5×8	55	45.0	29.5	15.5	125.0	9.0	Wave	8	3.5	3.8	0.6	Carbon
WWS 55×45×29.5×8	55	45.0	29.5	15.5	125.0	9.0	Wave	8	3.5	3.8	0.6	Stainless
WWM 55×45×33.2×9	55	45.0	33.2	18.4	125.0	8.5	Wave	9	3.5	3.8	0.6	Carbon
WWS 55×45×33.2×9	55	45.0	33.2	18.4	125.0	8.5	Wave	9	3.5	3.8	0.6	Stainless
WWM 55×45×40.5×11	55	45.0	40.5	21.7	125.0	6.6	Wave	11	3.5	3.8	0.6	Carbon
WWS 55×45×40.5×11	55	45.0	40.5	21.7	125.0	6.6	Wave	11	3.5	3.8	0.6	Stainless
WWM 55×45×47.9×13	55	45.0	47.9	25.7	125.0	5.6	Wave	13	3.5	3.8	0.6	Carbon
WWS 55×45×47.9×13	55	45.0	47.9	25.7	125.0	5.6	Wave	13	3.5	3.8	0.6	Stainless
WWM 55×45×55.3×15	55	45.0	55.3	29.8	125.0	4.9	Wave	15	3.5	3.8	0.6	Carbon
WWS 55×45×55.3×15	55	45.0	55.3	29.8	125.0	4.9	Wave	15	3.5	3.8	0.6	Stainless
WWM 55×45×11.1×3	55	45.0	11.1	3.1	250.0	31.5	Wave	3	4.5	3.6	0.5	Carbon
WWS 55×45×11.1×3	55	45.0	11.1	3.1	250.0	31.5	Wave	3	4.5	3.6	0.5	Stainless
WWM 55×45×14.7×4	55	45.0	14.7	4.1	250.0	23.5	Wave	4	4.5	3.6	0.5	Carbon
WWS 55×45×14.7×4	55	45.0	14.7	4.1	250.0	23.5	Wave	4	4.5	3.6	0.5	Stainless
WWM 55×45×18.4×5	55	45.0	18.4	5.2	250.0	18.9	Wave	5	4.5	3.6	0.5	Carbon
WWS 55×45×18.4×5	55	45.0	18.4	5.2	250.0	18.9	Wave	5	4.5	3.6	0.5	Stainless
WWM 55×45×22.1×6	55	45.0	22.1	6.2	250.0	15.7	Wave	6	4.5	3.6	0.5	Carbon
WWS 55×45×22.1×6	55	45.0	22.1	6.2	250.0	15.7	Wave	6	4.5	3.6	0.5	Stainless
WWM 55×45×25.8×7	55	45.0	25.8	7.2	250.0	13.5	Wave	7	4.5	3.6	0.5	Carbon
WWS 55×45×25.8×7	55	45.0	25.8	7.2	250.0	13.5	Wave	7	4.5	3.6	0.5	Stainless
WWM 55×45×29.5×8	55	45.0	29.5	8.3	250.0	11.8	Wave	8	4.5	3.6	0.5	Carbon
WWS 55×45×29.5×8	55	45.0	29.5	8.3	250.0	11.8	Wave	8	4.5	3.6	0.5	Stainless
WWM 55×45×33.2×9	55	45.0	33.2	9.3	250.0	10.5	Wave	9	4.5	3.6	0.5	Carbon
WWS 55×45×33.2×9	55	45.0	33.2	9.3	250.0	10.5	Wave	9	4.5	3.6	0.5	Stainless
WWM 55×45×40.5×11	55	45.0	40.5	11.3	250.0	8.6	Wave	11	4.5	3.6	0.5	Carbon
WWS 55×45×40.5×11	55	45.0	40.5	11.3	250.0	8.6	Wave	11	4.5	3.6	0.5	Stainless
WWM 55×45×47.9×13	55	45.0	47.9	13.4	250.0	7.3	Wave	13	4.5	3.6	0.5	Carbon
WWS 55×45×47.9×13	55	45.0	47.9	13.4	250.0	7.3	Wave	13	4.5	3.6	0.5	Stainless
WWM 55×45×55.3×15	55	45.0	55.3	15.5	250.0	6.3	Wave	15	4.5	3.6	0.5	Carbon
WWS 55×45×55.3×15	55	45.0	55.3	15.5	250.0	6.3	Wave	15	4.5	3.6	0.5	Stainless
WWM 55×45×11.1×3	55	45.0	11.1	5.3	400.0	69.7	Wave	3	4.5	3.8	0.6	Carbon
WWS 55×45×11.1×3	55	45.0	11.1	5.3	400.0	69.7	Wave	3	4.5	3.8	0.6	Stainless
WWM 55×45×14.7×4	55	45.0	14.7	7.2	400.0	53.4	Wave	4	4.5	3.8	0.6	Carbon
WWS 55×45×14.7×4	55	45.0	14.7	7.2	400.0	53.4	Wave	4	4.5	3.8	0.6	Stainless
WWM 55×45×18.4×5	55	45.0	18.4	9.1	400.0	42.9	Wave	5	4.5	3.8	0.6	Carbon
WWS 55×45×18.4×5	55	45.0	18.4	9.1	400.0	42.9	Wave	5	4.5	3.8	0.6	Stainless

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SPECS	Hole (mm)	Road (mm)	Free Height (mm)	Working Height (mm)	Load (N)	Rate (N/mm)	Ends	Coils	Waves	Wide (mm)	THK (mm)	Material
WWM 55×45×22.1×6	55	45.0	22.1	10.6	400.0	34.9	Wave	6	4.5	3.8	0.6	Carbon
WWS 55×45×22.1×6	55	45.0	22.1	10.6	400.0	34.9	Wave	6	4.5	3.8	0.6	Stainless
WWM 55×45×25.8×7	55	45.0	25.8	12.2	400.0	29.5	Wave	7	4.5	3.8	0.6	Carbon
WWS 55×45×25.8×7	55	45.0	25.8	12.2	400.0	29.5	Wave	7	4.5	3.8	0.6	Stainless
WWM 55×45×29.5×8	55	45.0	29.5	14.1	400.0	26.0	Wave	8	4.5	3.8	0.6	Carbon
WWS 55×45×29.5×8	55	45.0	29.5	14.1	400.0	26.0	Wave	8	4.5	3.8	0.6	Stainless
WWM 55×45×33.2×9	55	45.0	33.2	15.8	400.0	23.1	Wave	9	4.5	3.8	0.6	Carbon
WWS 55×45×33.2×9	55	45.0	33.2	15.8	400.0	23.1	Wave	9	4.5	3.8	0.6	Stainless
WWM 55×45×40.5×11	55	45.0	40.5	19.3	400.0	18.9	Wave	11	4.5	3.8	0.6	Carbon
WWS 55×45×40.5×11	55	45.0	40.5	19.3	400.0	18.9	Wave	11	4.5	3.8	0.6	Stainless
WWM 55×45×47.9×13	55	45.0	47.9	23.1	400.0	16.2	Wave	13	4.5	3.8	0.6	Carbon
WWS 55×45×47.9×13	55	45.0	47.9	23.1	400.0	16.2	Wave	13	4.5	3.8	0.6	Stainless
WWM 55×45×55.3×15	55	45.0	55.3	26.5	400.0	13.9	Wave	15	4.5	3.8	0.6	Carbon
WWS 55×45×55.3×15	55	45.0	55.3	26.5	400.0	13.9	Wave	15	4.5	3.8	0.6	Stainless
WWM 60×50×11.4×3	60	50.0	11.4	5.6	135.0	23.1	Wave	3	4.5	3.6	0.5	Carbon
WWS 60×50×11.4×3	60	50.0	11.4	5.6	135.0	23.1	Wave	3	4.5	3.6	0.5	Stainless
WWM 60×50×15.2×4	60	50.0	15.2	7.5	135.0	17.4	Wave	4	4.5	3.6	0.5	Carbon
WWS 60×50×15.2×4	60	50.0	15.2	7.5	135.0	17.4	Wave	4	4.5	3.6	0.5	Stainless
WWM 60×50×19.1×5	60	50.0	19.1	9.3	135.0	13.9	Wave	5	4.5	3.6	0.5	Carbon
WWS 60×50×19.1×5	60	50.0	19.1	9.3	135.0	13.9	Wave	5	4.5	3.6	0.5	Stainless
WWM 60×50×22.9×6	60	50.0	22.9	11.2	135.0	11.6	Wave	6	4.5	3.6	0.5	Carbon
WWS 60×50×22.9×6	60	50.0	22.9	11.2	135.0	11.6	Wave	6	4.5	3.6	0.5	Stainless
WWM 60×50×26.7×7	60	50.0	26.7	13.1	135.0	9.9	Wave	7	4.5	3.6	0.5	Carbon
WWS 60×50×26.7×7	60	50.0	26.7	13.1	135.0	9.9	Wave	7	4.5	3.6	0.5	Stainless
WWM 60×50×30.5×8	60	50.0	30.5	14.9	135.0	8.7	Wave	8	4.5	3.6	0.5	Carbon
WWS 60×50×30.5×8	60	50.0	30.5	14.9	135.0	8.7	Wave	8	4.5	3.6	0.5	Stainless
WWM 60×50×34.3×9	60	50.0	34.3	16.8	135.0	7.7	Wave	9	4.5	3.6	0.5	Carbon
WWS 60×50×34.3×9	60	50.0	34.3	16.8	135.0	7.7	Wave	9	4.5	3.6	0.5	Stainless
WWM 60×50×41.9×11	60	50.0	41.9	20.5	135.0	6.3	Wave	11	4.5	3.6	0.5	Carbon
WWS 60×50×41.9×11	60	50.0	41.9	20.5	135.0	6.3	Wave	11	4.5	3.6	0.5	Stainless
WWM 60×50×49.5×13	60	50.0	49.5	24.3	135.0	5.3	Wave	13	4.5	3.6	0.5	Carbon
WWS 60×50×49.5×13	60	50.0	49.5	24.3	135.0	5.3	Wave	13	4.5	3.6	0.5	Stainless
WWM 60×50×57.2×15	60	50.0	57.2	28.0	135.0	4.6	Wave	15	4.5	3.6	0.5	Carbon
WWS 60×50×57.2×15	60	50.0	57.2	28.0	135.0	4.6	Wave	15	4.5	3.6	0.5	Stainless
WWM 60×50×11.4×3	60	50.0	11.4	6.7	275.0	57.5	Wave	3	4.5	3.8	0.6	Carbon
WWS 60×50×11.4×3	60	50.0	11.4	6.7	275.0	57.5	Wave	3	4.5	3.8	0.6	Stainless
WWM 60×50×15.2×4	60	50.0	15.2	8.9	275.0	43.1	Wave	4	4.5	3.8	0.6	Carbon
WWS 60×50×15.2×4	60	50.0	15.2	8.9	275.0	43.1	Wave	4	4.5	3.8	0.6	Stainless
WWM 60×50×19.1×5	60	50.0	19.1	11.1	275.0	34.5	Wave	5	4.5	3.8	0.6	Carbon

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WWS 60×50×19.1×5	60	50.0	19.1	11.1	275.0	34.5	Wave	5	4.5	3.8	0.6	Stainless
WWM 60×50×22.9×6	60	50.0	22.9	13.3	275.0	28.7	Wave	6	4.5	3.8	0.6	Carbon
WWS 60×50×22.9×6	60	50.0	22.9	13.3	275.0	28.7	Wave	6	4.5	3.8	0.6	Stainless
WWM 60×50×26.7×7	60	50.0	26.7	15.5	275.0	24.6	Wave	7	4.5	3.8	0.6	Carbon
WWS 60×50×26.7×7	60	50.0	26.7	15.5	275.0	24.6	Wave	7	4.5	3.8	0.6	Stainless
WWM 60×50×30.5×8	60	50.0	30.5	17.7	275.0	21.5	Wave	8	4.5	3.8	0.6	Carbon
WWS 60×50×30.5×8	60	50.0	30.5	17.7	275.0	21.5	Wave	8	4.5	3.8	0.6	Stainless
WWM 60×50×34.3×9	60	50.0	34.3	19.9	275.0	19.2	Wave	9	4.5	3.8	0.6	Carbon
WWS 60×50×34.3×9	60	50.0	34.3	19.9	275.0	19.2	Wave	9	4.5	3.8	0.6	Stainless
WWM 60×50×41.9×11	60	50.0	41.9	24.4	275.0	15.7	Wave	11	4.5	3.8	0.6	Carbon
WWS 60×50×41.9×11	60	50.0	41.9	24.4	275.0	15.7	Wave	11	4.5	3.8	0.6	Stainless
WWM 60×50×49.5×13	60	50.0	49.5	28.8	275.0	13.3	Wave	13	4.5	3.8	0.6	Carbon
WWS 60×50×49.5×13	60	50.0	49.5	28.8	275.0	13.3	Wave	13	4.5	3.8	0.6	Stainless
WWM 60×50×57.2×15	60	50.0	57.2	33.2	275.0	11.5	Wave	15	4.5	3.8	0.6	Carbon
WWS 60×50×57.2×15	60	50.0	57.2	33.2	275.0	11.5	Wave	15	4.5	3.8	0.6	Stainless
WWM 60×50×11.4×3	60	50.0	11.4	7.8	450.0	122.3	Wave	3	4.5	4.0	0.8	Carbon
WWS 60×50×11.4×3	60	50.0	11.4	7.8	450.0	122.3	Wave	3	4.5	4.0	0.8	Stainless
WWM 60×50×15.2×4	60	50.0	15.2	10.3	450.0	91.3	Wave	4	4.5	4.0	0.8	Carbon
WWS 60×50×15.2×4	60	50.0	15.2	10.3	450.0	91.3	Wave	4	4.5	4.0	0.8	Stainless
WWM 60×50×19.1×5	60	50.0	19.1	12.9	450.0	73.2	Wave	5	4.5	4.0	0.8	Carbon
WWS 60×50×19.1×5	60	50.0	19.1	12.9	450.0	73.2	Wave	5	4.5	4.0	0.8	Stainless
WWM 60×50×22.9×6	60	50.0	22.9	15.5	450.0	60.9	Wave	6	4.5	4.0	0.8	Carbon
WWS 60×50×22.9×6	60	50.0	22.9	15.5	450.0	60.9	Wave	6	4.5	4.0	0.8	Stainless
WWM 60×50×26.7×7	60	50.0	26.7	18.1	450.0	52.3	Wave	7	4.5	4.0	0.8	Carbon
WWS 60×50×26.7×7	60	50.0	26.7	18.1	450.0	52.3	Wave	7	4.5	4.0	0.8	Stainless
WWM 60×50×30.5×8	60	50.0	30.5	20.6	450.0	45.6	Wave	8	4.5	4.0	0.8	Carbon
WWS 60×50×30.5×8	60	50.0	30.5	20.6	450.0	45.6	Wave	8	4.5	4.0	0.8	Stainless
WWM 60×50×34.3×9	60	50.0	34.3	23.2	450.0	40.7	Wave	9	4.5	4.0	0.8	Carbon
WWS 60×50×34.3×9	60	50.0	34.3	23.2	450.0	40.7	Wave	9	4.5	4.0	0.8	Stainless
WWM 60×50×41.9×11	60	50.0	41.9	28.4	450.0	33.2	Wave	11	4.5	4.0	0.8	Carbon
WWS 60×50×41.9×11	60	50.0	41.9	28.4	450.0	33.2	Wave	11	4.5	4.0	0.8	Stainless
WWM 60×50×49.5×13	60	50.0	49.5	33.5	450.0	28.1	Wave	13	4.5	4.0	0.8	Carbon
WWS 60×50×49.5×13	60	50.0	49.5	33.5	450.0	28.1	Wave	13	4.5	4.0	0.8	Stainless
WWM 60×50×57.2×15	60	50.0	57.2	38.7	450.0	24.4	Wave	15	4.5	4.0	0.8	Carbon
WWS 60×50×57.2×15	60	50.0	57.2	38.7	450.0	24.4	Wave	15	4.5	4.0	0.8	Stainless

OD:Outer Diameter, < Hole
ID:Inner Diameter, > Road
Load = Rate X Deflection
Material:Carbon Steel
/SUS 302/SUS304
/SUS631/17-7PH